We study the behavior of the Betti numbers of the Frobenius powers of the maximal ideal in the hypersurface ring $R = k[x, y, z]/(f)$, where $k$ is an infinite field of positive characteristic. We show that if $f$ is chosen generically then high enough Frobenius powers of the maximal ideal have identical graded Betti numbers, up to explicit shifts. (Received July 31, 2018)