```
Out[17]: array([[[15, 17, 29],
                   [15, 17, 29],
                   [15, 17, 29],
                   [25, 37, 35],
                   [19, 34, 31],
                   [14, 30, 27]],
                  [[15, 17, 29],
                   [15, 17, 29],
                   [15, 17, 29],
                   ...,
                   [26, 38, 36],
                   [22, 37, 34],
                   [20, 36, 33]],
                  [[15, 17, 29],
                   [15, 17, 29],
                   [15, 17, 29],
                   ...,
                   [28, 40, 38],
                   [25, 40, 37],
                   [24, 40, 37]],
                  ...,
                  [[49, 50, 44],
                   [40, 41, 35],
                   [35, 35, 27],
                   ...,
                   [14, 30, 29],
                   [13, 25, 25],
                   [12, 22, 23]],
                  [[45, 50, 44],
                   [38, 43, 37],
                   [31, 36, 30],
                   . . . ,
                   [11, 25, 25],
                   [12, 24, 24],
                   [16, 26, 27]],
                  [[31, 41, 33],
                   [31, 41, 33],
                   [32, 39, 32],
                   [14, 26, 26],
                   [16, 26, 27],
                   [23, 31, 33]]], dtype=uint8)
In [18]: horse_arr == horse_red
```

```
Out[18]: array([[[ True, True, True],
                  [ True,
                          True,
                                   True],
                  [ True,
                          True,
                                   True],
                  [ True,
                           True,
                                   True],
                  [ True,
                           True,
                                   True],
                  [ True,
                           True,
                                   True]],
                 [[ True,
                           True,
                                   True],
                  [ True,
                           True,
                                   True],
                  [ True,
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                                   True],
                  ...,
                  [ True,
                           True,
                                   True],
                  [ True,
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                                   True],
                  [ True,
                           True,
                                   True]],
                 [[ True,
                           True,
                                   True],
                  [ True,
                           True,
                                   True],
                  [ True,
                           True,
                                   True],
                  . . . ,
                  [ True,
                           True,
                                   True],
                  [ True, True,
                                   True],
                  [ True,
                          True,
                                  True]],
                 ...,
                 [[ True,
                          True, True],
                  [ True,
                          True,
                                  True],
                  [ True,
                           True,
                                   True],
                  ...,
                           True,
                                   True],
                  [ True,
                  [ True,
                           True,
                                   True],
                                   True]],
                  [ True,
                           True,
                 [[ True,
                           True,
                                   True],
                  [ True,
                          True,
                                   True]],
                 [[ True,
                          True,
                                   True],
                  [ True, True,
                                   True],
                  [ True,
                           True,
                                   True],
                  [ True,
                           True,
                                   True],
                  [ True, True,
                                   True],
                  [ True, True,
                                   True]]])
In [19]: plt.imshow(horse_red)
```

Out[19]: <matplotlib.image.AxesImage at 0x266e201fb90>

29/08/2024, 22:51 Image(Np,Plt,Pil)



In [20]: horse_red.shape

Out[20]: (2334, 3502, 3)

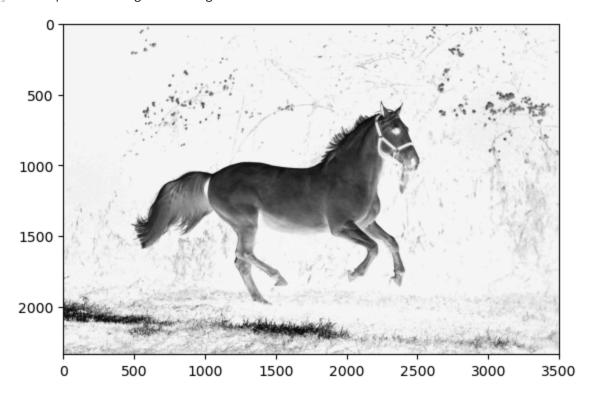
In [21]: plt.imshow(horse_red[:,:,0]) #(height, width, channels)

Out[21]: <matplotlib.image.AxesImage at 0x266e20b3050>



In [22]: horse_red[:,:,0]

Out[24]: <matplotlib.image.AxesImage at 0x266e2921f70>



In [25]: plt.imshow(horse_red[:,:,1], cmap='grey')

Out[25]: <matplotlib.image.AxesImage at 0x266e297bf80>

29/08/2024, 22:51 Image(Np,Plt,Pil)



In [26]: plt.imshow(horse_red[:,:,1],cmap= 'gray')

Out[26]: <matplotlib.image.AxesImage at 0x266e29be750>



In [27]: plt.imshow(horse_red[:,:,:], cmap='gray')

Out[27]: <matplotlib.image.AxesImage at 0x266e0fee870>

29/08/2024, 22:51 Image(Np,Plt,Pil)



In [28]: plt.imshow(horse_red[:,:,0])

Out[28]: <matplotlib.image.AxesImage at 0x266e2a66750>



In [29]: plt.imshow(horse_red[:,:,:])

Out[29]: <matplotlib.image.AxesImage at 0x266e21344a0>