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,  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,  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>
```

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[22]:
```
array([[15, 15, 15, ..., 25, 19, 14],
       [15, 15, 15, ..., 26, 22, 20],
       [15, 15, 15, ..., 28, 25, 24],
       ...,
       [49, 40, 35, ..., 14, 13, 12],
       [45, 38, 31, ..., 11, 12, 16],
       [31, 31, 32, ..., 14, 16, 23]], dtype=uint8)
```

In [23]:
```
horse_red[:,:,0].shape
```

Out[23]:
```
(2334, 3502)
```

In [24]:
```
plt.imshow(horse_red[:,:,0], cmap='Greys')
```

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

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

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

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>

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>