

# Converting Colors

XYZ(68.3749, 79.6330, 40.5207)

Have a look what the booklet for  
XYZ(68.3749, 79.6330, 40.5207)  
contains.

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# Color

**XYZ(68.4223, 79.5934,  
40.6110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6ED96
RGB	230, 237, 150
RGB Percent	90%, 93%, 59%
CMY	0.0980, 0.0706, 0.4118
CMYK	0.03, 0.00, 0.37, 0.07
HSL	65°, 71%, 76%
HSV	65°, 37%, 93%
XYZ	68.4223, 79.5934, 40.6110
YIQ	224.9890, 23.7550, -28.5410

# Conversions

## Conversions Part 2

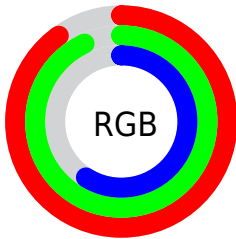
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 237, 157
Decimal	15134102
CIELab	91.50, -15.26, 41.38
CIELCh	92, 44.106, 110.236
Yxy	79.5934, 0.3627, 0.4220
Android (android.graphics.Color)	4293324182 (0xFFE6ED96)
YUV	224.9890, -36.9696, 4.3946
Hunter-Lab	89.2151, -19.2284, 35.4616

# Details

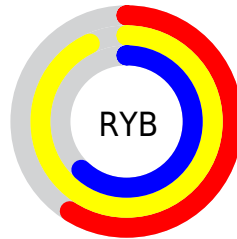
The XYZ color **68.4223, 79.5934, 40.6110** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.1001, 35.0973, 84.7864**, and the grayscale version is **71.8073, 75.5469, 82.2705**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **35.9621, 42.8138, 17.9238** is the 20% darker color. If you saturate the color by 10%, you get **66.0953, 78.5950, 31.5278**, and if you desaturate by 10%, it is **71.1460, 80.7568, 51.7307**.

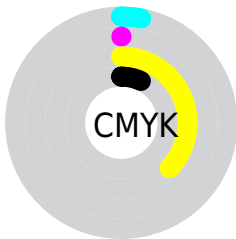
# Distribution



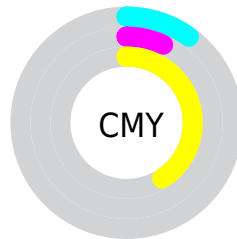
- Red (90%)
- Green (93%)
- Blue (59%)



- Red (59%)
- Yellow (93%)
- Blue (62%)



- Cyan (3%)
- Magenta (0%)
- Yellow (37%)
- Black (7%)




- Cyan (10%)
- Magenta (7%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4223, 79.5934, 40.6110 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 68.4223, 79.5934, 40.6110 by changing the saturation by 10% instead.





 68.4223, 79.5934,  
40.6110


 68.4223, 79.5934,  
40.6110


444.3441,  
493.5615, 364.3205

 50.5163, 59.3838,  
27.6978


 115.9947,  
132.7939, 77.3403

 36.0433, 42.9222,  
17.8610


 146.3917,  
166.5537, 101.9935

 24.6379, 29.8241,  
10.6818


181.6832,  
205.5989, 131.3971

 15.9348, 19.7051,  
5.7418

222.2345,  
250.3140, 165.9697

 9.5686, 12.1808,  
2.6225

268.4108,  
301.0835, 206.1298

 5.1739, 6.8670,  
0.9040

320.5776,

 2.3855, 3.3790,

358.2916, 252.2959

0.0000

379.1003,  
422.3228, 304.8867

■ 0.8379, 1.3327,  
0.0000

■ 0.0000, 0.1663,  
0.0000

■ 68.4223, 79.5934,  
40.6110

■ 68.4223, 79.5934,  
40.6110

■ 66.0953, 78.5950,  
31.5278

■ 71.1460, 80.7568,  
51.7307

■ 64.1355, 77.7415,  
24.3526


■ 74.2820, 82.0832,  
64.9948


■ 62.5191, 77.0261,  
18.9506


■ 77.8521, 83.5839,  
80.5097


■ 61.2167, 76.4371,  
15.1670


■ 81.8748, 85.2665,  
98.3731


 60.1936, 75.9606,  
12.8204


 84.1161, 86.2373,  
106.8198


 59.4064, 75.5791,  
11.6811

 84.7659, 86.5722,  
106.8502

 59.1756, 75.4651,  
11.4473

 85.4224, 86.9107,  
106.8809

 86.0859, 87.2527,  
106.9120

 86.7562, 87.5983,  
106.9434

# Harmonies

## Analogous

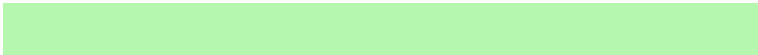
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3740, 79.5934, 38.8731



68.4223, 79.5934, 40.6110



60.2309, 79.5934, 52.8093

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.4223, 79.5934, 40.6110



62.6579, 79.5934, 143.4502



99.0002, 79.5934, 97.5845

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.4223, 79.5934, 40.6110



40.1001, 35.0973, 84.7864

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.5013, 79.5934, 132.5642



68.4223, 79.5934, 40.6110



72.0465, 79.5934, 163.0517

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.4223, 79.5934, 40.6110



57.1385, 79.5934, 109.8731



83.3720, 79.5934, 158.6377



97.7842, 79.5934, 66.9771

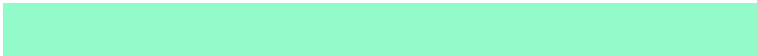


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.4223, 79.5934, 40.6110



57.0879, 79.5934, 67.3819



83.3720, 79.5934, 158.6377



97.8565, 79.5934, 109.3121

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68.4243, 79.5970, 40.6127



90.0321, 97.8974, 86.7878



52.2877, 43.9185, 34.5765



19.1478, 20.9025, 18.0427



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

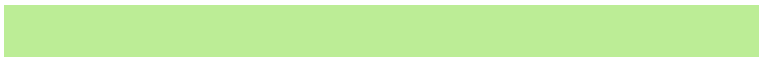
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4243, 79.5970, 40.6127



78.6964, 93.0836, 39.7264



56.4574, 73.4278, 40.0526



16.2253, 17.5617, 16.0533



32.3587, 41.2260, 6.2519



2.5764, 3.2555, 0.4926



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.1001, 35.0973, 84.7864



40.7606, 33.4644, 98.9187



49.8278, 40.1121, 85.2417



14.3436, 14.6069, 18.9857



8.5358, 3.4363, 43.9564

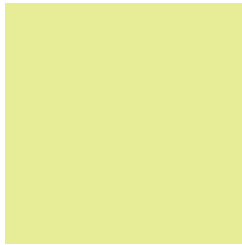


0.7093, 0.2900, 3.4535



# Previews

## White Background



This preview shows how the XYZ color 68.4223, 79.5934, 40.6110 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

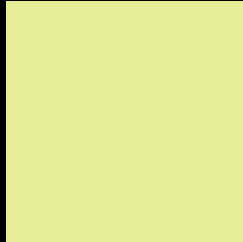
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.4223, 79.5934, 40.6110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

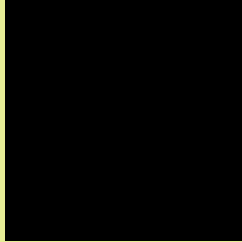
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.4223, 79.5934, 40.6110**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.4223, 79.5934, 40.6110.



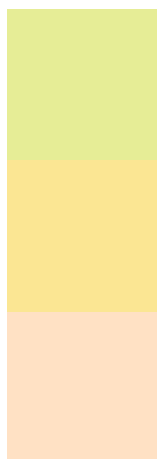
This preview shows how white text looks on a background with the XYZ color 68.4223, 79.5934,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

68.4223, 79.5934, 40.6110

### Protanopia

73.3469, 79.2094, 39.0269

### Deuteranopia

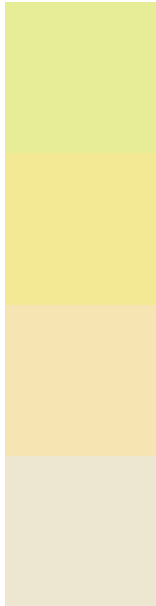
78.1290, 79.0959, 63.3738



## Tritanopia

79.6496, 79.5645, 95.9535

# Trichromacy



## Original Color

68.4223, 79.5934, 40.6110

## Protanomaly

71.4464, 79.4706, 39.5907

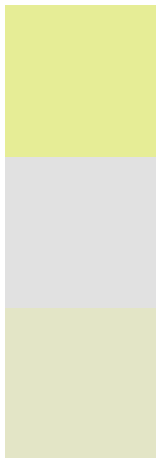
## Deuteranomaly

74.1620, 78.8861, 53.9656

## Tritanomaly

74.7305, 79.2016, 71.6703

# Monochromacy



## Original Color

68.4223, 79.5934, 40.6110

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

69.8909, 76.4467, 64.4981

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.4223, 79.5934, 40.6110 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(230, 237, 150)` looks like.

```
.text, #text, p{  
    color:rgb(230, 237, 150)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(230, 237, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 237, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 68.4223, 79.5934, 40.6110 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(230, 237, 150) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(230, 237, 150) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(230, 237, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 237, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 237, 150);  
box-shadow:4px 4px 4px 4px rgb(230, 237,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.4223, 79.5934, 40.6110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 237, 150) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(230,  
237, 150) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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