

# Converting Colors

XYZ(40.8619, 39.7164, 68.0723)

Have a look what the booklet for  
XYZ(40.8619, 39.7164, 68.0723)  
contains.

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# Color

**XYZ(40.8558, 39.6631,  
67.7898)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5A5D4
RGB	165, 165, 212
RGB Percent	65%, 65%, 83%
CMY	0.3529, 0.3529, 0.1686
CMYK	0.22, 0.22, 0.00, 0.17
HSL	240°, 35%, 74%
HSV	240°, 22%, 83%
XYZ	40.8558, 39.6631, 67.7898
YIQ	170.3580, -15.0870, 14.6170

# Conversions

## Conversions Part 2

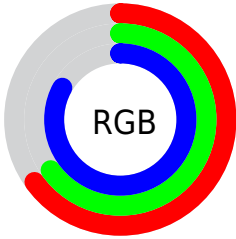
Format	Color
R <sub>Y</sub> B	165, 165, 212
Decimal	10855892
CIE Lab	69.23, 9.98, -23.83
CIE LCh	69, 25.837, 292.726
Yxy	39.6631, 0.2755, 0.2674
Android (android.graphics.Color)	4289045972 (0xFFA5A5D4)
YUV	170.3580, 20.5295, -4.6990
Hunter-Lab	62.9786, 5.5847, -19.7343

# Details

The XYZ color **40.8558, 39.6631, 67.7898** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.4867, 63.8004, 44.8831**, and the grayscale version is **38.2942, 40.2885, 43.8742**.

A 20% lighter version of the original color is **73.4620, 73.7786, 104.9766**, and **18.6730, 17.6893, 34.3285** is the 20% darker color. If you saturate the color by 10%, you get **33.2945, 30.5523, 66.4304**, and if you desaturate by 10%, it is **49.7843, 50.4214, 69.3964**.

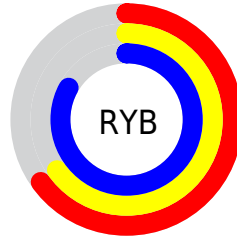
# Distribution



Red (65%)

Green (65%)

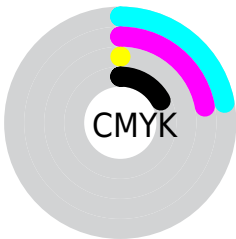
Blue (83%)



Red (65%)

Yellow (65%)

Blue (83%)

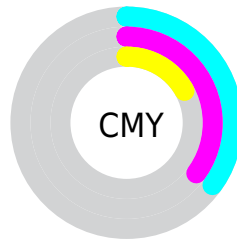


Cyan (22%)

Magenta (22%)

Yellow (0%)

Black (17%)



Cyan (35%)

Magenta (35%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8558, 39.6631, 67.7898 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 40.8558, 39.6631, 67.7898 by changing the saturation by 10% instead.



■ 40.8558, 39.6631,  
67.7898

■ 40.8558, 39.6631,  
67.7898

340.7905,  
344.7015, 471.3287

■ 28.3936, 27.2760,  
49.2611

■ 75.7410, 74.6502,  
117.7028

■ 18.7645, 17.7806,  
34.4596

■ 98.8948, 98.0190,  
149.9241

■ 11.6033, 10.7926,  
22.9667

126.3431,  
125.8171, 187.5468

■ 6.5444, 5.9275,  
14.3638

158.4513,  
158.4290, 230.9893

■ 3.2226, 2.8011,  
8.2325

195.5848,  
196.2389, 280.6702

■ 1.2726, 1.0288,  
4.1542

238.1089,

■ 0.1625, 0.0000,

239.6314, 337.0081

1.7103

286.3890,  
288.9908, 400.4214

■ 0.0000, 0.0000,  
0.3678

■ 0.0000, 0.0000,  
0.0000

■ 40.8558, 39.6631,  
67.7898

■ 40.8558, 39.6631,  
67.7898

■ 33.2945, 30.5523,  
66.4304

■ 49.7843, 50.4214,  
69.3964

■ 27.0294, 23.0033,  
65.3035

■ 60.1389, 62.8978,  
71.2589

■ 21.9889, 16.9299,  
64.3969

■ 71.9793, 77.1646,  
73.3886

■ 18.0929, 12.2354,  
63.6961

■ 85.3611, 93.2885,  
75.7955

■ 15.2519, 8.8121,  
63.1851

■ 88.8838, 97.5335,  
76.4292

■ 13.3628, 6.5358,  
62.8453

■ 12.3023, 5.2579,  
62.6545

■ 11.8839, 4.7537,  
62.5793

# Harmonies

## Analogous

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



36.7005, 39.6631, 69.9537



40.8558, 39.6631, 67.7898



44.3890, 39.6631, 58.5038

# Triad

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



40.8558, 39.6631, 67.7898



42.7239, 39.6631, 27.4770



30.3460, 39.6631, 40.3660

# Complementary

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



40.8558, 39.6631, 67.7898



57.4867, 63.8004, 44.8831

# 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.



31.7166, 39.6631, 30.8071



40.8558, 39.6631, 67.7898



38.7146, 39.6631, 24.3015

# Square

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



40.8558, 39.6631, 67.7898



45.5215, 39.6631, 34.9699



34.7084, 39.6631, 25.3982



30.8276, 39.6631, 52.5985



# Rectangle

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



40.8558, 39.6631, 67.7898



45.8156, 39.6631, 50.3099



34.7084, 39.6631, 25.3982



30.6018, 39.6631, 36.7691

# Sweetspot

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



40.8571, 39.6647, 67.7907



83.3530, 85.9060, 106.7961



50.8464, 59.8011, 70.6341



17.6363, 18.1408, 22.8219



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.



40.8571, 39.6647, 67.7907



55.9273, 52.8601, 101.8631



46.0090, 42.3201, 68.0317



11.7427, 12.0088, 15.6365



7.3365, 2.9347, 38.6329



0.4425, 0.1770, 2.3302



# Inverse Universe

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



47.3990, 43.6249, 41.5214



67.7097, 59.9927, 54.5506



51.3924, 60.6595, 44.5980



12.4233, 12.4208, 12.9035



16.7620, 8.6411, 0.7846



1.0110, 0.5212, 0.0474



# Previews

## White Background



This preview shows how the XYZ color 40.8558, 39.6631, 67.7898 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

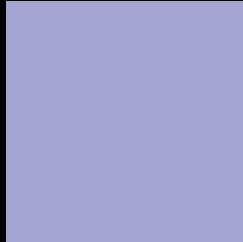
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.8558, 39.6631, 67.7898 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 40.8558, 39.6631, 67.7898**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.8558, 39.6631, 67.7898.



This preview shows how white text looks on a background with the XYZ color 40.8558, 39.6631,



# 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

40.8558, 39.6631, 67.7898

### Protanopia

39.8609, 39.6606, 69.1727

### Deuteranopia

40.6241, 39.8124, 67.8308



## Tritanopia

37.5237, 39.6837, 51.0294

# Trichromacy



## Original Color

40.8558, 39.6631, 67.7898

## Protanomaly

40.1437, 39.5501, 68.4689

## Deuteranomaly

40.8297, 39.9184, 67.8404

## Tritanomaly

38.6405, 39.5817, 56.6424

# Monochromacy



## Original Color

40.8558, 39.6631, 67.7898

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

38.9080, 39.8329, 51.5368

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.8558, 39.6631, 67.7898 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(165, 165, 212)` looks like.

```
.text, #text, p{  
    color:rgb(165, 165, 212)  
}
```

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(165, 165, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 165, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 40.8558, 39.6631, 67.7898 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(165, 165, 212) }
```



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

```
.border{ border-color:rgb(165, 165, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 165, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 165, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 165, 212);  
box-shadow:4px 4px 4px 4px rgb(165, 165,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.8558, 39.6631, 67.7898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 165, 212) }
```

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

```
.background{ background-color: rgb(165,  
165, 212) }
```

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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