

Converting Colors

XYZ(40.7844, 38.9466, 69.8599)

Have a look what the booklet for
XYZ(40.7844, 38.9466, 69.8599)
contains.

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Color

**XYZ(40.8800, 39.1000,
69.6824)**

Conversions

Conversions Part 1

Format	Color
Hex	A5A3D7
RGB	165, 163, 215
RGB Percent	65%, 64%, 84%
CMY	0.3529, 0.3608, 0.1569
CMYK	0.23, 0.24, 0.00, 0.16
HSL	242°, 39%, 74%
HSV	242°, 24%, 84%
XYZ	40.8800, 39.1000, 69.6824
YIQ	169.5260, -15.5000, 16.5960

Conversions

Conversions Part 2

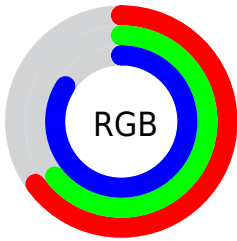
Format	Color
RYB	165, 163, 215
Decimal	10855383
CIELab	68.82, 11.80, -26.10
CIELCh	69, 28.649, 294.330
Yxy	39.1000, 0.2731, 0.2613
Android (android.graphics.Color)	4289045463 (0xFFA5A3D7)
YUV	169.5260, 22.4187, -3.9693
Hunter-Lab	62.5300, 7.2698, -22.3008

Details

The XYZ color **40.8800, 39.1000, 69.6824** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.3529, 65.3922, 44.1984**, and the grayscale version is **37.8715, 39.8437, 43.3898**.

A 20% lighter version of the original color is **72.9402, 72.7350, 104.8026**, and **18.7117, 17.3517, 35.6207** is the 20% darker color. If you saturate the color by 10%, you get **33.4243, 30.0639, 68.3319**, and if you desaturate by 10%, it is **49.6822, 49.7955, 71.2836**.

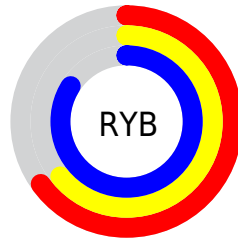
Distribution



Red (65%)

Green (64%)

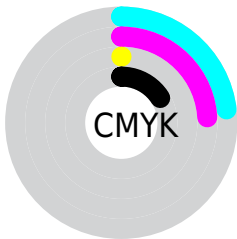
Blue (84%)



Red (65%)

Yellow (64%)

Blue (84%)

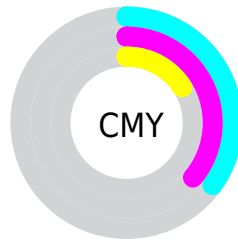


Cyan (23%)

Magenta (24%)

Yellow (0%)

Black (16%)



Cyan (35%)

Magenta (36%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8800, 39.1000, 69.6824 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 40.8800, 39.1000, 69.6824 by changing the saturation by 10% instead.

■ 40.8800, 39.1000,
69.6824

■ 40.8800, 39.1000,
69.6824

340.8900,
342.3155, 478.1930

■ 28.4126, 26.8375,
50.7925

■ 75.7776, 73.7911,
120.4326

■ 18.7789, 17.4512,
35.6679

■ 98.9384, 96.9884,
153.1299

■ 11.6137, 10.5567,
23.8901

126.3945,
124.5996, 191.2668

■ 6.5515, 5.7696,
15.0407

158.5110,
157.0089, 235.2617

■ 3.2271, 2.7055,
8.7010

195.6535,
194.6007, 285.5333

■ 1.2750, 0.9800,
4.4525

238.1873,

■ 0.1644, 0.0000,

237.7595, 342.5000

1.8767

286.4777,
286.8696, 406.5804

■ 0.0000, 0.0000,
0.4779

■ 0.0000, 0.0000,
0.0000

■ 40.8800, 39.1000,
69.6824

■ 40.8800, 39.1000,
69.6824

■ 33.4243, 30.0639,
68.3319

■ 49.6822, 49.7955,
71.2836

■ 27.2452, 22.5996,
67.2168

■ 59.8888, 62.2226,
73.1443

■ 22.2723, 16.6187,
66.3245

■ 71.5587, 76.4551,
75.2764

■ 18.4266, 12.0222,
65.6399

■ 84.7466, 92.5611,
77.6901

■ 15.6199, 8.6991,
65.1465

■ 89.2659, 97.6863,
78.4411

■ 13.7509, 6.5212,
64.8246

■ 12.6979, 5.3334,
64.6508

■ 12.3693, 4.9597,
64.5960

Harmonies

Analogous

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



36.3069, 39.1000, 72.6393



40.8800, 39.1000, 69.6824



44.7219, 39.1000, 58.8928

Triad

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



40.8800, 39.1000, 69.6824



42.4939, 39.1000, 25.3107



29.1302, 39.1000, 40.1488

Complementary

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



40.8800, 39.1000, 69.6824



58.3529, 65.3922, 44.1984

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.



30.5084, 39.1000, 29.5869



40.8800, 39.1000, 69.6824



38.0332, 39.1000, 22.2140

Square

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



40.8800, 39.1000, 69.6824



45.7056, 39.1000, 33.0750



33.6791, 39.1000, 23.6028



29.7579, 39.1000, 53.7353

Rectangle

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



40.8800, 39.1000, 69.6824



46.2254, 39.1000, 49.6950



33.6791, 39.1000, 23.6028



29.3706, 39.1000, 36.1667

Sweetspot

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



40.8813, 39.1016, 69.6833



83.5826, 86.0241, 106.8068



51.2325, 60.4165, 73.2519



17.6892, 18.1680, 22.8244



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.



40.8813, 39.1016, 69.6833



54.3257, 50.4653, 101.4852



46.7830, 42.1440, 69.9595



11.7863, 12.0312, 15.6386



7.4186, 2.9769, 38.6368



0.4634, 0.1878, 2.3311

Inverse Universe

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



53.1329, 45.4470, 68.9237



75.3696, 61.3663, 100.0982



51.4712, 61.8446, 43.8763



12.9314, 12.6241, 15.5792



23.4882, 11.3316, 36.2044



1.4233, 0.6861, 2.2183

Previews

White Background



This preview shows how the XYZ color 40.8800, 39.1000, 69.6824 looks on a white background.

Color Contrast Check

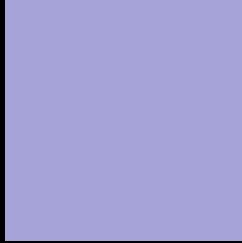
Large Text (above 18pt) WCAG AA × Fail

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 40.8800, 39.1000, 69.6824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

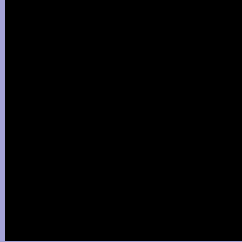
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8800, 39.1000, 69.6824

Background



This preview shows how black text looks on a background with the XYZ color 40.8800, 39.1000, 69.6824.



This preview shows how white text looks on a background with the XYZ color 40.8800, 39.1000,

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

40.8800, 39.1000, 69.6824

Protanopia

39.4870, 39.1522, 71.1216

Deuteranopia

40.0190, 39.1875, 69.7447



Tritanopia

36.9295, 39.1243, 49.8613

Trichromacy



Original Color

40.8800, 39.1000, 69.6824

Protanomaly

39.9504, 39.1372, 70.4144

Deuteranomaly

40.2391, 39.0343, 69.7035

Tritanomaly

38.2543, 39.1095, 56.5716

Monochromacy



Original Color

40.8800, 39.1000, 69.6824

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.8301, 39.5074, 52.0335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8800, 39.1000, 69.6824 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, 163, 215)` looks like.

```
.text, #text, p{  
    color:rgb(165, 163, 215)  
}
```

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, 163, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 163, 215) }
```

Border

The CSS property to change the border of an element to XYZ 40.8800, 39.1000, 69.6824 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, 163, 215) }
```


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

```
.border{ border-color:rgb(165, 163, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 163, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 163, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 163, 215);  
box-shadow:4px 4px 4px 4px rgb(165, 163,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8800, 39.1000, 69.6824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 163, 215) }
```

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

```
.background{ background-color: rgb(165,  
163, 215) }
```

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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