

Converting Colors

XYZ(40.8707, 39.9829, 65.8849)

Have a look what the booklet for
XYZ(40.8707, 39.9829, 65.8849)
contains.

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Color

**XYZ(40.8707, 39.9829,
65.8849)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A6D1
RGB	166, 166, 209
RGB Percent	65%, 65%, 82%
CMY	0.3490, 0.3490, 0.1804
CMYK	0.21, 0.21, 0.00, 0.18
HSL	240°, 32%, 74%
HSV	240°, 21%, 82%
XYZ	40.8707, 39.9829, 65.8849
YIQ	170.9020, -13.8030, 13.3730

Conversions

Conversions Part 2

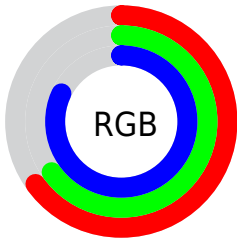
Format	Color
RYB	166, 166, 209
Decimal	10921681
CIELab	69.46, 9.04, -21.82
CIELCh	69, 23.622, 292.508
Yxy	39.9829, 0.2785, 0.2725
Android (android.graphics.Color)	4289111761 (0xFFA6A6D1)
YUV	170.9020, 18.7823, -4.2991
Hunter-Lab	63.2320, 4.7193, -17.5151

Details

The XYZ color **40.8707, 39.9829, 65.8849** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.9782, 61.9093, 45.0767**, and the grayscale version is **38.5742, 40.5831, 44.1950**.

A 20% lighter version of the original color is **74.0307, 74.4625, 105.0786**, and **18.6601, 17.8784, 33.0392** is the 20% darker color. If you saturate the color by 10%, you get **33.3452, 30.9153, 64.5320**, and if you desaturate by 10%, it is **49.7281, 50.6555, 67.4787**.

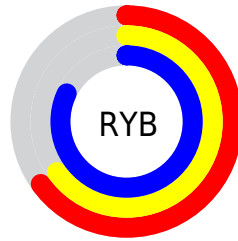
Distribution



Red (65%)

Green (65%)

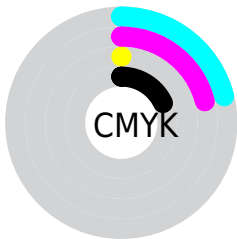
Blue (82%)



Red (65%)

Yellow (65%)

Blue (82%)

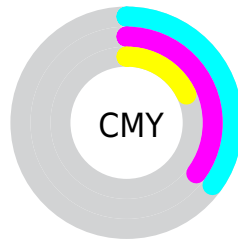


Cyan (21%)

Magenta (21%)

Yellow (0%)

Black (18%)



Cyan (35%)

Magenta (35%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8707, 39.9829, 65.8849 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 40.8707, 39.9829, 65.8849 by changing the saturation by 10% instead.

■ 40.8707, 39.9829,
65.8849

■ 40.8707, 39.9829,
65.8849

340.8517,
346.0515, 464.3581

■ 28.4053, 27.5252,
47.7231

■ 75.7635, 75.1375,
114.9465

■ 18.7734, 17.9681,
33.2492

■ 98.9216, 98.6031,
146.6835

■ 11.6097, 10.9271,
22.0447

126.3747,
126.5069, 183.7825

■ 6.5488, 6.0178,
13.6912

158.4881,
159.2332, 226.6621

■ 3.2254, 2.8559,
7.7699

195.6271,
197.1665, 275.7410

■ 1.2740, 1.0570,
3.8624

238.1572,

■ 0.1637, 0.0000,

240.6910, 331.4376

1.5502

286.4436,
290.1912, 394.1704

■ 0.0000, 0.0000,
0.2549

■ 0.0000, 0.0000,
0.0000

■ 40.8707, 39.9829,
65.8849

■ 40.8707, 39.9829,
65.8849

■ 33.3452, 30.9153,
64.5320

■ 49.7281, 50.6555,
67.4787

■ 27.0835, 23.3704,
63.4057

■ 59.9733, 63.0002,
69.3215

■ 22.0177, 17.2664,
62.4945

■ 71.6638, 77.0862,
71.4242

■ 18.0715, 12.5115,
61.7847

■ 84.8525, 92.9775,
73.7965

■ 15.1602, 9.0035,
61.2610

■ 88.5087, 97.3835,
74.4542

■ 13.1868, 6.6257,
60.9061

■ 12.0362, 5.2392,
60.6991

■ 11.5088, 4.6037,
60.6042

Harmonies

Analogous

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



37.0572, 39.9829, 67.7695



40.8707, 39.9829, 65.8849



44.1038, 39.9829, 57.5630

Triad

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



40.8707, 39.9829, 65.8849



42.6285, 39.9829, 28.9446



31.2048, 39.9829, 40.8612

Complementary

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



40.8707, 39.9829, 65.8849



55.9782, 61.9093, 45.0767

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.



32.4917, 39.9829, 31.9934



40.8707, 39.9829, 65.8849



38.9638, 39.9829, 25.8995

Square

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



40.8707, 39.9829, 65.8849



45.1649, 39.9829, 36.0007



35.2718, 39.9829, 26.9143



31.6405, 39.9829, 52.0524

Rectangle

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



40.8707, 39.9829, 65.8849



45.4109, 39.9829, 50.1363



35.2718, 39.9829, 26.9143



31.4472, 39.9829, 37.5394

Sweetspot

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



40.8720, 39.9845, 65.8858



84.9554, 87.8368, 107.0843



49.9472, 58.2767, 68.4741



17.9594, 18.5301, 22.8801



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.



40.8720, 39.9845, 65.8858



58.2847, 55.7006, 102.2871



45.5863, 42.4144, 66.1063



11.1638, 11.4178, 14.8591



7.0959, 2.8385, 37.3664



0.3968, 0.1587, 2.0893

Inverse Universe

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



46.8146, 43.5820, 42.0230



69.3572, 62.4035, 57.8256



50.4766, 59.0737, 44.8194



11.8088, 11.8083, 12.2690



16.2124, 8.3578, 0.7589



0.9065, 0.4673, 0.0425

Previews

White Background



This preview shows how the XYZ color 40.8707, 39.9829, 65.8849 looks on a white background.

Color Contrast Check

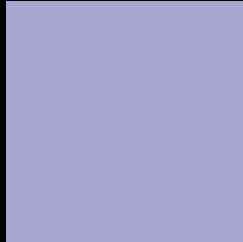
Large Text (above 18pt) WCAG AA × Fail

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 40.8707, 39.9829, 65.8849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

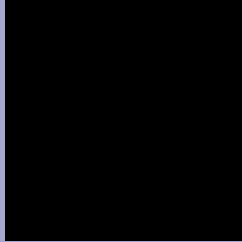
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8707, 39.9829, 65.8849

Background



This preview shows how black text looks on a background with the XYZ color 40.8707, 39.9829, 65.8849.



This preview shows how white text looks on a background with the XYZ color 40.8707, 39.9829,

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

40.8707, 39.9829, 65.8849

Protanopia

39.9336, 40.0293, 66.5945

Deuteranopia

40.8707, 39.9829, 65.8849



Tritanopia

37.7244, 39.7872, 51.0388

Trichromacy



Original Color

40.8707, 39.9829, 65.8849

Protanomaly

40.3519, 39.9720, 66.5614

Deuteranomaly

40.8707, 39.9829, 65.8849

Tritanomaly

38.9179, 40.0127, 56.1241

Monochromacy



Original Color

40.8707, 39.9829, 65.8849

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.3071, 40.3137, 51.6086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8707, 39.9829, 65.8849 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(166, 166, 209)` looks like.

```
.text, #text, p{  
    color:rgb(166, 166, 209)  
}
```

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(166, 166, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 166, 209) }
```

Border

The CSS property to change the border of an element to XYZ 40.8707, 39.9829, 65.8849 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(166, 166, 209) }
```


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

```
.border{ border-color:rgb(166, 166, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 166, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 166, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 166, 209);  
box-shadow:4px 4px 4px 4px rgb(166, 166,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8707, 39.9829, 65.8849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 166, 209) }
```

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

```
.background{ background-color: rgb(166,  
166, 209) }
```

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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