

Converting Colors

XYZ(48.2050, 47.0649, 84.3857)

Have a look what the booklet for
XYZ(48.2050, 47.0649, 84.3857)
contains.

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Color

**XYZ(48.2050, 47.0649,
84.3857)**

Conversions

Conversions Part 1

Format	Color
Hex	ADB3EA
RGB	173, 179, 234
RGB Percent	68%, 70%, 92%
CMY	0.3216, 0.2980, 0.0823
CMYK	0.26, 0.24, 0.00, 0.08
HSL	234°, 59%, 80%
HSV	234°, 26%, 92%
XYZ	48.2050, 47.0649, 84.3857
YIQ	183.4760, -21.2310, 15.8330

Conversions

Conversions Part 2

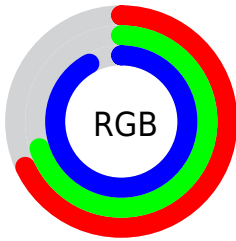
Format	Color
RYB	173, 178, 234
Decimal	11383786
CIELab	74.23, 9.81, -28.14
CIELCh	74, 29.800, 289.221
Yxy	47.0649, 0.2683, 0.2620
Android (android.graphics.Color)	4289573866 (0xFFADB3EA)
YUV	183.4760, 24.9083, -9.1875
Hunter-Lab	68.6039, 5.3676, -24.9065

Details

The XYZ color **48.2050, 47.0649, 84.3857** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **69.2188, 75.9972, 50.5575**, and the grayscale version is **45.1481, 47.4993, 51.7267**.

A 20% lighter version of the original color is **80.0714, 83.2947, 106.4650**, and **23.1045, 22.0580, 45.1594** is the 20% darker color. If you saturate the color by 10%, you get **39.5669, 36.8084, 82.8621**, and if you desaturate by 10%, it is **58.3993, 59.0862, 86.1695**.

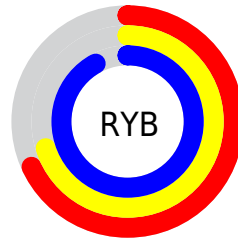
Distribution



Red (68%)

Green (70%)

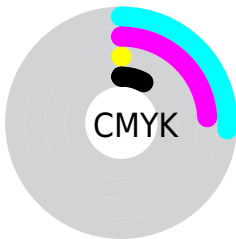
Blue (92%)



Red (68%)

Yellow (70%)

Blue (92%)

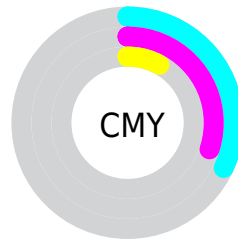


Cyan (26%)

Magenta (24%)

Yellow (0%)

Black (8%)



Cyan (32%)

Magenta (30%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2050, 47.0649, 84.3857 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 48.2050, 47.0649, 84.3857 by changing the saturation by 10% instead.

■ 48.2050, 47.0649,
84.3857

■ 48.2050, 47.0649,
84.3857

370.1732,
375.0735, 529.6847

■ 34.2012, 33.0870,
62.7867

■ 86.7174, 85.8105,
141.3811

■ 23.2118, 22.1931,
45.2288

111.9567,
111.3469, 177.6146

■ 14.8715, 13.9988,
31.2934

141.6719,
141.5050, 219.5634

■ 8.8150, 8.1199,
20.5620

176.2283,
176.6691, 267.6459

■ 4.6769, 4.1717,
12.6161

215.9912,
217.2236, 322.2807

■ 2.0917, 1.7701,
7.0371

261.3261,

■ 0.6847, 0.4684,

263.5529, 383.8865

3.4065

312.5983,
316.0414, 452.8816

■ 0.0000, 0.0000,
1.3058

■ 0.0000, 0.0000,
0.0665

■ 48.2050, 47.0649,
84.3857

■ 48.2050, 47.0649,
84.3857

■ 39.5669, 36.8084,
82.8621

■ 58.3993, 59.0862,
86.1695

■ 32.4038, 28.2281,
81.5834

■ 70.2165, 72.9442,
88.2216

■ 26.6342, 21.2362,
80.5380

■ 83.7249, 88.7135,
90.5534

■ 22.1667, 15.7345,
79.7115

■ 91.8514, 98.7206,
92.0566

■ 18.8988, 11.6141,
79.0884

■ 16.7125, 8.7505,
78.6509

■ 15.4649, 6.9965,
78.3781

■ 15.1582, 6.5541,
78.3089

Harmonies

Analogous

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



42.8381, 47.0649, 85.9599



48.2050, 47.0649, 84.3857



52.9806, 47.0649, 72.9868

Triad

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



48.2050, 47.0649, 84.3857



51.7916, 47.0649, 32.0243



35.3738, 47.0649, 45.9329

Complementary

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



48.2050, 47.0649, 84.3857



69.2188, 75.9972, 50.5575

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.



37.3905, 47.0649, 34.3174



48.2050, 47.0649, 84.3857



46.6846, 47.0649, 27.4188

Square

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



48.2050, 47.0649, 84.3857



55.1627, 47.0649, 42.1494



41.4333, 47.0649, 28.1649



35.7099, 47.0649, 61.5646

Rectangle

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



48.2050, 47.0649, 84.3857



55.0527, 47.0649, 62.4192



41.4333, 47.0649, 28.1649



35.7922, 47.0649, 41.4921

Sweetspot

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



48.2065, 47.0668, 84.3868



82.3495, 85.1550, 106.7040



60.6473, 73.3268, 84.2840



17.1467, 17.6650, 22.7559



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.



48.2065, 47.0668, 84.3868



53.0268, 50.6115, 101.5819



52.9271, 47.7537, 84.2706



14.3504, 14.7872, 19.0201



8.5589, 3.7647, 44.0185



0.7125, 0.3765, 3.4700

Inverse Universe

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



57.0133, 50.6358, 49.4184



65.3786, 55.7403, 52.5101



63.4314, 75.5068, 50.7679



15.1257, 15.0781, 15.9470



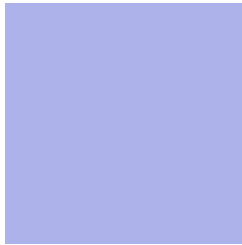
19.1754, 9.8729, 1.4591



1.5261, 0.7834, 0.2220

Previews

White Background



This preview shows how the XYZ color 48.2050, 47.0649, 84.3857 looks on a white background.

Color Contrast Check

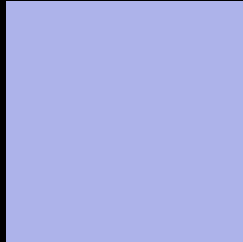
Large Text (above 18pt) WCAG AA × Fail

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 48.2050, 47.0649, 84.3857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

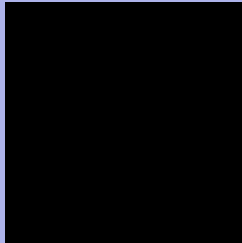
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2050, 47.0649, 84.3857

Background



This preview shows how black text looks on a background with the XYZ color 48.2050, 47.0649, 84.3857.



This preview shows how white text looks on a background with the XYZ color 48.2050, 47.0649,

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

48.2050, 47.0649, 84.3857

Protanopia

47.4651, 46.9655, 85.1608

Deuteranopia

48.2050, 47.0649, 84.3857



Tritanopia

43.5002, 46.9750, 61.4180

Trichromacy



Original Color

48.2050, 47.0649, 84.3857

Protanomaly

47.8942, 47.1867, 85.1809

Deuteranomaly

48.2050, 47.0649, 84.3857

Tritanomaly

45.1793, 47.0555, 68.9888

Monochromacy



Original Color

48.2050, 47.0649, 84.3857

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.9790, 47.3039, 62.5843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2050, 47.0649, 84.3857 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(173, 179, 234)` looks like.

```
.text, #text, p{  
    color:rgb(173, 179, 234)  
}
```

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(173, 179, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 179, 234) }
```

Border

The CSS property to change the border of an element to XYZ 48.2050, 47.0649, 84.3857 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(173, 179, 234) }
```


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

```
.border{ border-color:rgb(173, 179, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 179, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 179, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 179, 234);  
box-shadow:4px 4px 4px 4px rgb(173, 179,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2050, 47.0649, 84.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 179, 234) }
```

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

```
.background{ background-color: rgb(173,  
179, 234) }
```

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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