

Converting Colors

XYZ(48.1519, 47.5297, 64.4283)

Have a look what the booklet for
XYZ(48.1519, 47.5297, 64.4283)
contains.

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Color

**XYZ(48.1258, 47.4668,
64.3831)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB3CD
RGB	189, 179, 205
RGB Percent	74%, 70%, 80%
CMY	0.2588, 0.2980, 0.1961
CMYK	0.08, 0.13, 0.00, 0.20
HSL	263°, 21%, 75%
HSV	263°, 13%, 80%
XYZ	48.1258, 47.4668, 64.3831
YIQ	184.9540, -2.3860, 10.2060

Conversions

Conversions Part 2

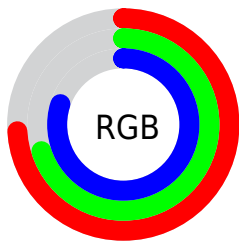
Format	Color
R _Y B	189, 179, 205
Decimal	12432333
CIE Lab	74.49, 8.49, -11.86
CIE LCh	74, 14.580, 305.602
Yxy	47.4668, 0.3008, 0.2967
Android (android.graphics.Color)	4290622413 (0xFFBDB3CD)
YUV	184.9540, 9.8827, 3.5483
Hunter-Lab	68.8962, 4.1187, -7.1789

Details

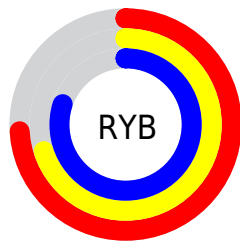
The XYZ color **48.1258, 47.4668, 64.3831** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **52.4754, 58.5207, 51.1800**, and the grayscale version is **46.0375, 48.4350, 52.7457**.

A 20% lighter version of the original color is **85.4145, 86.0491, 106.7151**, and **23.2001, 22.3903, 32.3771** is the 20% darker color. If you saturate the color by 10%, you get **41.3243, 38.3090, 62.9747**, and if you desaturate by 10%, it is **55.8132, 57.9906, 66.0100**.

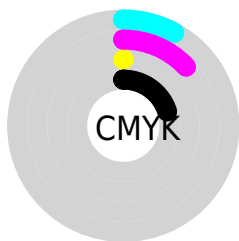
Distribution



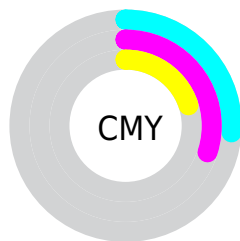
- Red (74%)
- Green (70%)
- Blue (80%)



- Red (74%)
- Yellow (70%)
- Blue (80%)



- Cyan (8%)
- Magenta (13%)
- Yellow (0%)
- Black (20%)



- Cyan (26%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1258, 47.4668, 64.3831 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 48.1258, 47.4668, 64.3831 by changing the saturation by 10% instead.

■ 48.1258, 47.4668,
64.3831

■ 48.1258, 47.4668,
64.3831

369.8648,
376.6747, 458.8172

■ 34.1382, 33.4048,
46.5129

■ 86.6002, 86.4100,
112.7672

■ 23.1632, 22.4368,
32.2991

111.8178,
112.0600, 144.1182

■ 14.8354, 14.1782,
21.3234

141.5093,
142.3415, 180.7999

■ 8.7895, 8.2447,
13.1670

176.0403,
177.6388, 223.2308

■ 4.6601, 4.2519,
7.4116

215.7759,
218.3364, 271.8294

■ 2.0820, 1.8155,
3.6385

261.0817,

■ 0.6794, 0.4968,

264.8187, 327.0143

1.4292

312.3229,
317.4700, 389.2040

■ 0.0000, 0.0000,
0.1643

■ 0.0000, 0.0000,
0.0000

■ 48.1258, 47.4668,
64.3831

■ 48.1258, 47.4668,
64.3831

■ 41.3243, 38.3090,
62.9747

■ 55.8132, 57.9906,
66.0100

■ 35.3707, 30.4539,
61.7723

■ 64.4142, 69.9282,
67.8608

■ 30.2304, 23.8420,
60.7670

■ 73.9602, 83.3324,
69.9450

■ 25.8646, 18.4070,
59.9480

■ 82.5345, 94.3602,
71.6216

■ 22.2310, 14.0758,
59.3035

■ 86.9552, 96.6391,
71.8285

■ 19.2829, 10.7673,
58.8203

■ 88.0196, 97.1878,
71.8783

■ 16.9671, 8.3883,
58.4832

■ 15.2214, 6.8276,
58.2739

■ 14.2303, 6.0630,
58.1786

Harmonies

Analogous

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



45.6115, 47.4668, 67.4874



48.1258, 47.4668, 64.3831



49.8822, 47.4668, 57.9029

Triad

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



48.1258, 47.4668, 64.3831



47.2382, 47.4668, 39.5782



40.2653, 47.4668, 53.1107

Complementary

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



48.1258, 47.4668, 64.3831



52.4754, 58.5207, 51.1800

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.



40.6631, 47.4668, 45.9258



48.1258, 47.4668, 64.3831



44.6237, 47.4668, 38.5618

Square

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



48.1258, 47.4668, 64.3831



49.3560, 47.4668, 43.6983



42.2339, 47.4668, 40.7740



41.1257, 47.4668, 60.5861

Rectangle

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



48.1258, 47.4668, 64.3831



50.3509, 47.4668, 52.8025



42.2339, 47.4668, 40.7740



40.2567, 47.4668, 50.5800

Sweetspot

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



48.1272, 47.4688, 64.3841



89.6100, 92.4926, 107.7377



49.1341, 53.0383, 65.4061



18.9671, 19.5041, 23.0149



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.



48.1272, 47.4688, 64.3841



75.9019, 73.7824, 104.8487



51.4891, 49.2019, 64.5415



11.0028, 11.0508, 14.1235



8.9575, 3.8253, 36.2225



0.5462, 0.2407, 1.8726

Inverse Universe

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



51.1489, 49.1616, 58.4254



81.7599, 77.0655, 93.2306



49.2689, 56.8677, 51.0300



11.4976, 11.3278, 13.1550



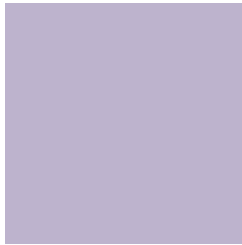
18.0723, 9.0395, 13.3652



0.9687, 0.4809, 0.8811

Previews

White Background



This preview shows how the XYZ color 48.1258, 47.4668, 64.3831 looks on a white background.

Color Contrast Check

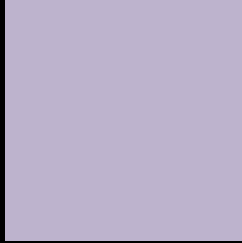
Large Text (above 18pt) WCAG AA × Fail

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 48.1258, 47.4668, 64.3831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

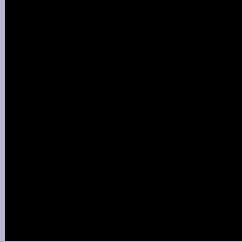
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1258, 47.4668, 64.3831

Background



This preview shows how black text looks on a background with the XYZ color 48.1258, 47.4668, 64.3831.



This preview shows how white text looks on a background with the XYZ color 48.1258, 47.4668,

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

48.1258, 47.4668, 64.3831

Protanopia

46.5808, 47.5446, 65.7534

Deuteranopia

48.4257, 47.3249, 64.3399



Tritanopia

46.8677, 47.5527, 58.3381

Trichromacy



Original Color

48.1258, 47.4668, 64.3831

Protanomaly

47.1929, 47.5713, 65.0874

Deuteranomaly

48.1750, 47.1957, 64.3282

Tritanomaly

47.3691, 47.4574, 60.6964

Monochromacy



Original Color

48.1258, 47.4668, 64.3831

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.6976, 48.1118, 56.6945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1258, 47.4668, 64.3831 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(189, 179, 205)` looks like.

```
.text, #text, p{  
    color:rgb(189, 179, 205)  
}
```

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(189, 179, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 179, 205) }
```

Border

The CSS property to change the border of an element to XYZ 48.1258, 47.4668, 64.3831 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(189, 179, 205) }
```


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

```
.border{ border-color:rgb(189, 179, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 179, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 179, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 179, 205);  
box-shadow:4px 4px 4px 4px rgb(189, 179,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1258, 47.4668, 64.3831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 179, 205) }
```

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

```
.background{ background-color: rgb(189,  
179, 205) }
```

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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