

Converting Colors

XYZ(48.7030, 49.2446, 65.5658)

Have a look what the booklet for
XYZ(48.7030, 49.2446, 65.5658)
contains.

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Color

**XYZ(48.7746, 49.3020,
65.3381)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB8CE
RGB	187, 184, 206
RGB Percent	73%, 72%, 81%
CMY	0.2667, 0.2784, 0.1922
CMYK	0.09, 0.11, 0.00, 0.19
HSL	248°, 18%, 76%
HSV	248°, 11%, 81%
XYZ	48.7746, 49.3020, 65.3381
YIQ	187.4050, -5.2740, 7.4780

Conversions

Conversions Part 2

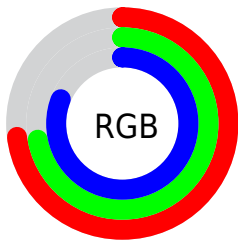
Format	Color
R _Y B	187, 184, 206
Decimal	12302542
CIE Lab	75.64, 5.31, -10.70
CIE LCh	76, 11.940, 296.393
Yxy	49.3020, 0.2985, 0.3017
Android (android.graphics.Color)	4290492622 (0xFFBBB8CE)
YUV	187.4050, 9.1673, -0.3552
Hunter-Lab	70.2154, 1.1168, -6.0208

Details

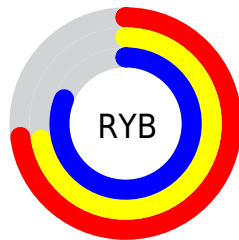
The XYZ color **48.7746, 49.3020, 65.3381** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.3534, 60.3011, 54.0716**, and the grayscale version is **47.4159, 49.8853, 54.3251**.

A 20% lighter version of the original color is **86.1722, 88.5949, 107.1665**, and **23.6153, 23.5679, 33.0102** is the 20% darker color. If you saturate the color by 10%, you get **40.7168, 39.2526, 63.8238**, and if you desaturate by 10%, it is **57.9978, 60.8799, 67.0875**.

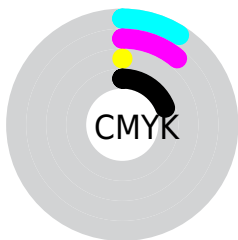
Distribution



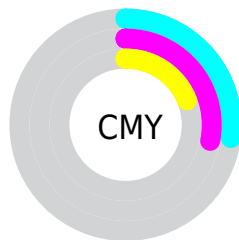
- Red (73%)
- Green (72%)
- Blue (81%)



- Red (73%)
- Yellow (72%)
- Blue (81%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)
- Black (19%)



- Cyan (27%)
- Magenta (28%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7746, 49.3020, 65.3381 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 48.7746, 49.3020, 65.3381 by changing the saturation by 10% instead.

■ 48.7746, 49.3020,
65.3381

■ 48.7746, 49.3020,
65.3381

372.3860,
383.9300, 462.3454

■ 34.6545, 34.8591,
47.2822

■ 87.5593, 89.1398,
114.1537

■ 23.5621, 23.5544,
32.9029

112.9547,
115.3035, 145.7505

■ 15.1321, 15.0034,
21.7815

142.8392,
146.1430, 182.6981

■ 8.9991, 8.8218,
13.4997

177.5781,
182.0426, 225.4149

■ 4.7977, 4.6251,
7.6388

217.5369,
223.3867, 274.3194

■ 2.1626, 2.0290,
3.7802

263.0810,

■ 0.7229, 0.6243,

270.5597, 329.8304

1.5056

314.5755,
323.9460, 392.3662

■ 0.0000, 0.0000,
0.2221

■ 0.0000, 0.0000,
0.0000

■ 48.7746, 49.3020,
65.3381

■ 48.7746, 49.3020,
65.3381

■ 40.7168, 39.2526,
63.8238

■ 57.9978, 60.8799,
67.0875

■ 33.7736, 30.6616,
62.5315

■ 68.4258, 74.0400,
69.0780

■ 27.8968, 23.4629,
61.4518

■ 80.1017, 88.8410,
71.3196

■ 23.0331, 17.5827,
60.5731

■ 88.1407, 97.2363,
72.5163

■ 19.1244, 12.9404,
59.8831

■ 16.1067, 9.4466,
59.3678

■ 13.9079, 6.9994,
59.0113

■ 12.4443, 5.4791,
58.7950

■ 11.6216, 4.7042,
58.6888

Harmonies

Analogous

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



46.5932, 49.3020, 66.7670



48.7746, 49.3020, 65.3381



50.4892, 49.3020, 60.7035

Triad

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



48.7746, 49.3020, 65.3381



49.2518, 49.3020, 44.1699



42.7456, 49.3020, 52.9194

Complementary

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



48.7746, 49.3020, 65.3381



55.3534, 60.3011, 54.0716

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.



43.4092, 49.3020, 47.2230



48.7746, 49.3020, 65.3381



47.1280, 49.3020, 42.4282

Square

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



48.7746, 49.3020, 65.3381



50.7707, 49.3020, 48.4512



44.9963, 49.3020, 43.5009



43.1556, 49.3020, 59.2753

Rectangle

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



48.7746, 49.3020, 65.3381



51.1129, 49.3020, 56.5960



44.9963, 49.3020, 43.5009



42.8499, 49.3020, 50.8688

Sweetspot

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



48.7761, 49.3041, 65.3392



90.2686, 93.9841, 107.9908



52.2810, 57.3913, 66.7155



19.0542, 19.7808, 23.0638



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.



48.7761, 49.3041, 65.3392



75.6108, 75.6111, 105.2170



51.5539, 50.7361, 65.4692



10.7416, 10.9161, 14.1112



7.2040, 2.9213, 36.1405



0.4191, 0.1752, 1.8667

Inverse Universe

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



53.3753, 51.7167, 63.6714



84.6526, 80.3554, 101.8883



52.4797, 58.8197, 53.9371



11.6192, 11.3764, 13.7955



20.6438, 10.0681, 26.9069



1.0836, 0.5269, 1.4862

Previews

White Background



This preview shows how the XYZ color 48.7746, 49.3020, 65.3381 looks on a white background.

Color Contrast Check

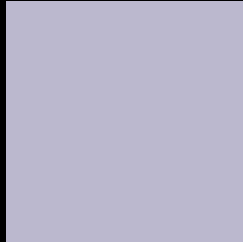
Large Text (above 18pt) WCAG AA × Fail

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 48.7746, 49.3020, 65.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

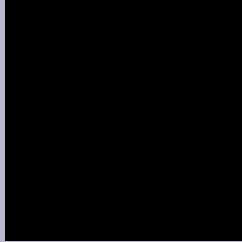
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7746, 49.3020, 65.3381

Background



This preview shows how black text looks on a background with the XYZ color 48.7746, 49.3020, 65.3381.



This preview shows how white text looks on a background with the XYZ color 48.7746, 49.3020,

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

48.7746, 49.3020, 65.3381

Protanopia

48.3786, 49.3933, 66.0155

Deuteranopia

50.2920, 49.1548, 65.8686



Tritanopia

48.0240, 49.3072, 61.6297

Trichromacy



Original Color

48.7746, 49.3020, 65.3381

Protanomaly

48.6190, 49.5172, 66.0268

Deuteranomaly

49.7287, 49.1674, 65.9008

Tritanomaly

48.2593, 49.4013, 62.8690

Monochromacy



Original Color

48.7746, 49.3020, 65.3381

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.7900, 49.5776, 58.0896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7746, 49.3020, 65.3381 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(187, 184, 206)` looks like.

```
.text, #text, p{  
    color:rgb(187, 184, 206)  
}
```

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(187, 184, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 184, 206) }
```

Border

The CSS property to change the border of an element to XYZ 48.7746, 49.3020, 65.3381 is called "border". The border property can be set on classes, ids or directly on the HTML element.

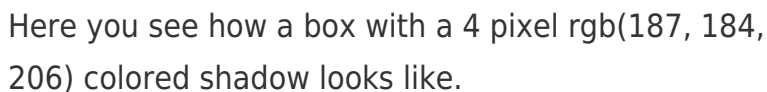
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 184, 206) }
```


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

```
.border{ border-color:rgb(187, 184, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 184, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 184, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 184, 206);  
box-shadow:4px 4px 4px 4px rgb(187, 184,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7746, 49.3020, 65.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 184, 206) }
```

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

```
.background{ background-color: rgb(187,  
184, 206) }
```

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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