

Converting Colors

XYZ(47.2959, 48.4821, 51.5088)

Have a look what the booklet for
XYZ(47.2959, 48.4821, 51.5088)
contains.

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Color

**XYZ(47.4730, 48.6233,
51.6829)**

Conversions

Conversions Part 1

Format	Color
Hex	C1B7B7
RGB	193, 183, 183
RGB Percent	76%, 72%, 72%
CMY	0.2431, 0.2823, 0.2823
CMYK	0.00, 0.05, 0.05, 0.24
HSL	0°, 7%, 74%
HSV	0°, 5%, 76%
XYZ	47.4730, 48.6233, 51.6829
YIQ	185.9900, 5.9600, 2.1200

Conversions

Conversions Part 2

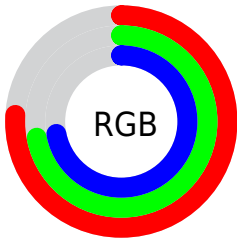
Format	Color
R_{YB}	193, 183, 183
Decimal	12695479
CIE Lab	75.22, 3.54, 1.26
CIE LCh	75, 3.753, 19.576
Yxy	48.6233, 0.3212, 0.3290
Android (android.graphics.Color)	4290885559 (0xFFC1B7B7)
YUV	185.9900, -1.4741, 6.1478
Hunter-Lab	69.7304, -0.5040, 4.8666

Details

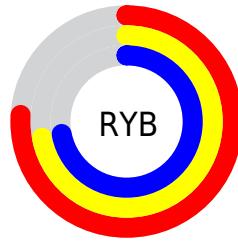
The XYZ color **47.4730, 48.6233, 51.6829** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.2239, 52.0566, 57.9588**, and the grayscale version is **46.6733, 49.1039, 53.4742**.

A 20% lighter version of the original color is **85.5134, 88.1047, 94.1602**, and **22.6594, 23.0659, 24.3770** is the 20% darker color. If you saturate the color by 10%, you get **41.8902, 40.4547, 40.5814**, and if you desaturate by 10%, it is **53.8795, 57.9973, 64.4193**.

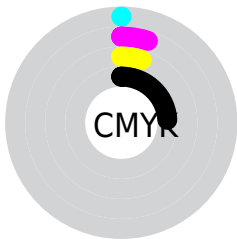
Distribution



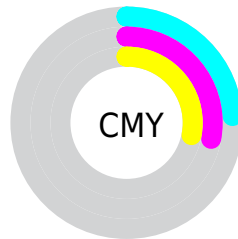
- Red (76%)
- Green (72%)
- Blue (72%)



- Red (76%)
- Yellow (72%)
- Blue (72%)



- Cyan (0%)
- Magenta (5%)
- Yellow (5%)
- Black (24%)



- Cyan (24%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4730, 48.6233, 51.6829 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 47.4730, 48.6233, 51.6829 by changing the saturation by 10% instead.

■ 47.4730, 48.6233,
51.6829

■ 47.4730, 48.6233,
51.6829

367.3169,
381.2574, 410.1333

■ 33.6192, 34.3208,
36.3719

■ 85.6337, 88.1317,
94.0852

■ 22.7628, 23.1401,
24.4296

110.6713,
114.1064, 122.0136

■ 14.5382, 14.6970,
15.4374

140.1677,
144.7405, 154.9849

■ 8.5801, 8.6070,
8.9769

174.4880,
180.4186, 193.4176

■ 4.5232, 4.4858,
4.6295

213.9978,
221.5249, 237.7302

■ 2.0022, 1.9488,
1.9767

259.0622,

■ 0.6352, 0.5775,

268.4439, 288.3413

0.5409

310.0468,
321.5599, 345.6695

■ 0.0000, 0.0000,
0.0000

■ 47.4730, 48.6233,
51.6829

■ 47.4730, 48.6233,
51.6829

■ 41.8902, 40.4547,
40.5814

■ 53.8795, 57.9973,
64.4193

■ 37.0939, 33.4367,
31.0455

■ 61.1370, 68.6162,
78.8495

■ 33.0500, 27.5194,
23.0058

■ 69.2765, 80.5255,
95.0338

■ 29.7202, 22.6471,
16.3864

■ 75.8025, 90.0776,
107.9992

■ 27.0633, 18.7591,
11.1048

■ 25.0333, 15.7885,
7.0699

■ 23.5789, 13.6599,
4.1795

■ 22.6404, 12.2862,
2.3149

■ 22.1451, 11.5612,
1.3314

Harmonies

Analogous

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



47.5287, 48.6233, 53.6312



47.4730, 48.6233, 51.6829



47.0784, 48.6233, 50.1096

Triad

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



47.4730, 48.6233, 51.6829



45.2150, 48.6233, 50.5229



45.9760, 48.6233, 56.7578

Complementary

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



47.4730, 48.6233, 51.6829



48.2239, 52.0566, 57.9588

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.



45.3622, 48.6233, 55.8802



47.4730, 48.6233, 51.6829



44.9258, 48.6233, 52.2598

Square

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



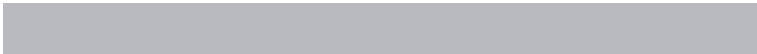
47.4730, 48.6233, 51.6829



45.7731, 48.6233, 49.4515



44.9794, 48.6233, 54.2224



46.6598, 48.6233, 56.5940

Rectangle

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



47.4730, 48.6233, 51.6829



46.6783, 48.6233, 49.4699



44.9794, 48.6233, 54.2224



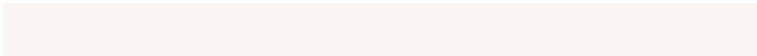
45.7547, 48.6233, 56.5740

Sweetspot

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



47.4744, 48.6254, 51.6839



88.4783, 92.1387, 99.4290



48.5520, 49.0554, 57.3622



19.0062, 19.8028, 21.3798



92.9021, 97.7402, 106.4391



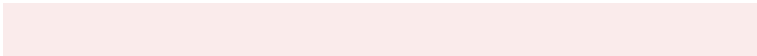
19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.4744, 48.6254, 51.6839



84.0532, 85.6640, 90.6308



48.5234, 50.7234, 52.0336



10.4358, 10.6085, 11.1966



14.6281, 7.5419, 0.6847



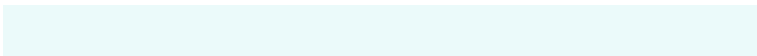
0.6321, 0.3261, 0.0296

Inverse Universe

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



48.2239, 52.0566, 57.9588



85.6225, 92.8480, 103.7690



47.1379, 49.8846, 57.5968



10.6461, 11.5712, 12.9572



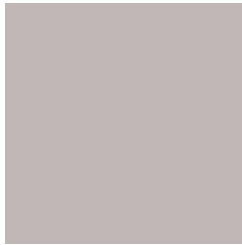
19.0767, 27.9098, 37.9383



0.8243, 1.2061, 1.6392

Previews

White Background



This preview shows how the XYZ color 47.4730, 48.6233, 51.6829 looks on a white background.

Color Contrast Check

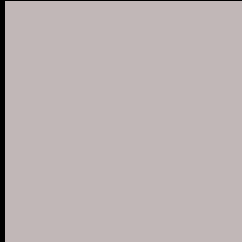
Large Text (above 18pt) WCAG AA × Fail

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 47.4730, 48.6233, 51.6829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

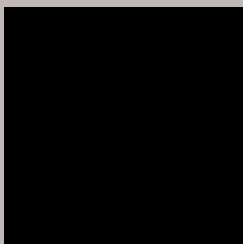
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

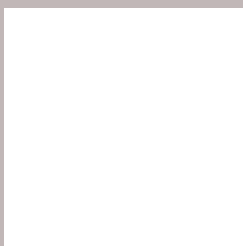
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4730, 48.6233, 51.6829

Background



This preview shows how black text looks on a background with the XYZ color 47.4730, 48.6233, 51.6829.

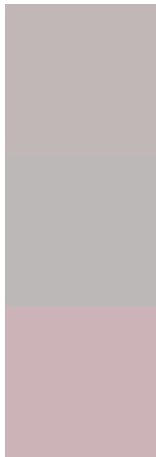


This preview shows how white text looks on a background with the XYZ color 47.4730, 48.6233,

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

47.4730, 48.6233, 51.6829

Protanopia

46.7785, 48.5605, 52.2550

Deuteranopia

49.6737, 48.5383, 52.0981



Tritanopia

48.8799, 48.5900, 58.4323

Trichromacy



Original Color

47.4730, 48.6233, 51.6829

Protanomaly

47.0274, 48.6888, 52.2667

Deuteranomaly

48.7924, 48.3826, 52.1145

Tritanomaly

48.3801, 48.6868, 56.1378

Monochromacy



Original Color

47.4730, 48.6233, 51.6829

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.0922, 49.0195, 52.8786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4730, 48.6233, 51.6829 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(193, 183, 183)` looks like.

```
.text, #text, p{  
    color:rgb(193, 183, 183)  
}
```

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(193, 183, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 183, 183) }
```

Border

The CSS property to change the border of an element to XYZ 47.4730, 48.6233, 51.6829 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(193, 183, 183) }
```


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

```
.border{ border-color:rgb(193, 183, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 183, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 183, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 183, 183);  
box-shadow:4px 4px 4px 4px rgb(193, 183,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4730, 48.6233, 51.6829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 183, 183) }
```

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

```
.background{ background-color: rgb(193,  
183, 183) }
```

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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