

Converting Colors

XYZ(48.6155, 47.6591, 58.1188)

Have a look what the booklet for
XYZ(48.6155, 47.6591, 58.1188)
contains.

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Color

**XYZ(48.5357, 47.5167,
58.2433)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B2C3
RGB	196, 178, 195
RGB Percent	77%, 70%, 76%
CMY	0.2314, 0.3019, 0.2353
CMYK	0.00, 0.09, 0.01, 0.23
HSL	303°, 13%, 73%
HSV	303°, 9%, 77%
XYZ	48.5357, 47.5167, 58.2433
YIQ	185.3200, 5.2710, 9.1030

Conversions

Conversions Part 2

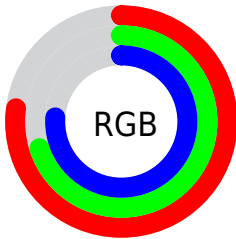
Format	Color
R _Y B	196, 178, 195
Decimal	12890819
CIE Lab	74.52, 9.48, -6.29
CIE LCh	75, 11.374, 326.455
Yxy	47.5167, 0.3146, 0.3080
Android (android.graphics.Color)	4291080899 (0xFFC4B2C3)
YUV	185.3200, 4.7722, 9.3664
Hunter-Lab	68.9324, 5.0513, -1.8435

Details

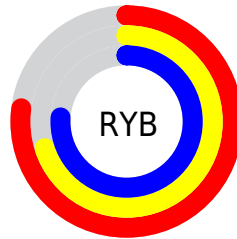
The XYZ color **48.5357, 47.5167, 58.2433** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.2386, 52.2009, 50.2891**, and the grayscale version is **46.2656, 48.6750, 53.0071**.

A 20% lighter version of the original color is **87.5015, 86.7566, 104.2293**, and **23.2967, 22.3411, 28.2837** is the 20% darker color. If you saturate the color by 10%, you get **44.7890, 40.2190, 56.3895**, and if you desaturate by 10%, it is **52.8433, 55.9333, 60.2896**.

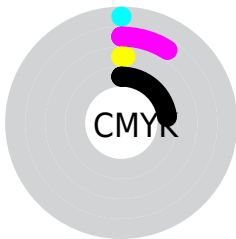
Distribution



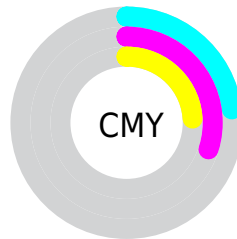
- Red (77%)
- Green (70%)
- Blue (76%)



- Red (77%)
- Yellow (70%)
- Blue (76%)



- Cyan (0%)
- Magenta (9%)
- Yellow (1%)
- Black (23%)



- Cyan (23%)
- Magenta (30%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5357, 47.5167, 58.2433 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 48.5357, 47.5167, 58.2433 by changing the saturation by 10% instead.

■ 48.5357, 47.5167,
58.2433

■ 48.5357, 47.5167,
58.2433

371.4589,
376.8732, 435.7155

■ 34.4643, 33.4443,
41.5883

■ 87.2064, 86.4844,
103.7954

■ 23.4151, 22.4670,
28.4559

112.5363,
112.1485, 133.5295

■ 15.0227, 14.2005,
18.4276

142.3499,
142.4452, 168.4604

■ 8.9217, 8.2602,
11.0848

177.0124,
177.7591, 209.0066

■ 4.7469, 4.2619,
6.0090

216.8892,
218.4744, 255.5867

■ 2.1327, 1.8211,
2.7817

262.3457,

■ 0.7069, 0.5003,

264.9756, 308.6191

0.9843

313.7471,
317.6471, 368.5226

■ 0.0000, 0.0000,
0.0000

■ 48.5357, 47.5167,
58.2433

■ 48.5357, 47.5167,
58.2433

■ 44.7890, 40.2190,
56.3895

■ 52.8433, 55.9333,
60.2896

■ 41.5755, 33.9869,
54.7173

■ 57.7297, 65.5068,
62.5328

■ 38.8714, 28.7722,
53.2193

■ 63.2172, 76.2811,
64.9808

■ 36.6494, 24.5205,
51.8864

■ 68.8758, 87.3961,
67.4902

■ 34.8799, 21.1721,
50.7087

■ 69.0030, 87.4470,
68.1604

■ 33.5298, 18.6611,
49.6752

■ 69.1312, 87.4983,
68.8353

■ 32.5615, 16.9123,
48.7734

■ 69.2603, 87.5499,
69.5150

■ 31.9307, 15.8372,
47.9884

■ 69.3903, 87.6019,
70.1996

■ 31.5606, 15.2819,
47.2947

■ 69.5212, 87.6543,
70.8889

Harmonies

Analogous

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



46.9457, 47.5167, 62.5397



48.5357, 47.5167, 58.2433



49.2211, 47.5167, 52.4401

Triad

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



48.5357, 47.5167, 58.2433



45.4078, 47.5167, 41.2490



41.7186, 47.5167, 56.9423

Complementary

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



48.5357, 47.5167, 58.2433



46.2386, 52.2009, 50.2891

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.



41.3347, 47.5167, 51.0414



48.5357, 47.5167, 58.2433



43.4264, 47.5167, 42.2570

Square

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



48.5357, 47.5167, 58.2433



47.3811, 47.5167, 42.8710



41.9507, 47.5167, 45.7354



43.0156, 47.5167, 61.7495

Rectangle

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



48.5357, 47.5167, 58.2433



49.0580, 47.5167, 48.5991



41.9507, 47.5167, 45.7354



41.4802, 47.5167, 55.0084

Sweetspot

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



48.5371, 47.5188, 58.2443



92.5895, 95.1884, 107.7425



44.4536, 45.4005, 58.6456



19.6807, 20.1060, 22.9963



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.



48.5371, 47.5188, 58.2443



86.4954, 83.2908, 104.8153



47.5605, 47.1281, 53.1018



10.4723, 10.2375, 12.5779



20.2722, 9.7986, 30.4093



0.8834, 0.4264, 1.3534

Inverse Universe

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



48.5371, 47.5188, 58.2443



86.4954, 83.2908, 104.8153



47.1680, 52.5726, 55.1836



10.4723, 10.2375, 12.5779



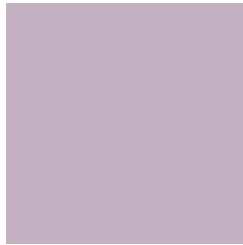
20.2722, 9.7986, 30.4093



0.8834, 0.4264, 1.3534

Previews

White Background



This preview shows how the XYZ color 48.5357, 47.5167, 58.2433 looks on a white background.

Color Contrast Check

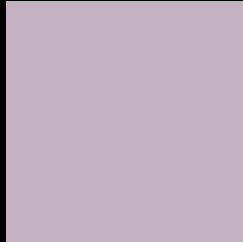
Large Text (above 18pt) WCAG AA × Fail

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 48.5357, 47.5167, 58.2433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

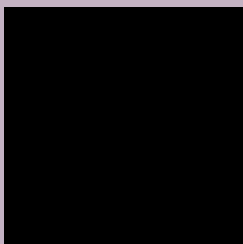
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

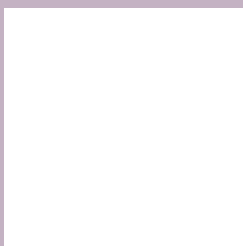
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5357, 47.5167, 58.2433

Background



This preview shows how black text looks on a background with the XYZ color 48.5357, 47.5167, 58.2433.



This preview shows how white text looks on a background with the XYZ color 48.5357, 47.5167,

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

48.5357, 47.5167, 58.2433

Protanopia

46.4494, 47.6004, 60.1657

Deuteranopia

48.5357, 47.5167, 58.2433



Tritanopia

48.1998, 47.3823, 56.4745

Trichromacy



Original Color

48.5357, 47.5167, 58.2433

Protanomaly

47.3410, 47.7703, 59.5488

Deuteranomaly

48.5357, 47.5167, 58.2433

Tritanomaly

48.3110, 47.4268, 57.0601

Monochromacy



Original Color

48.5357, 47.5167, 58.2433

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.8995, 47.9488, 54.9273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5357, 47.5167, 58.2433 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(196, 178, 195) looks like.

```
.text, #text, p{  
    color:rgb(196, 178, 195)  
}
```

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(196, 178, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 178, 195) }
```

Border

The CSS property to change the border of an element to XYZ 48.5357, 47.5167, 58.2433 is called "border". The border property can be set on classes, ids or directly on the HTML element.

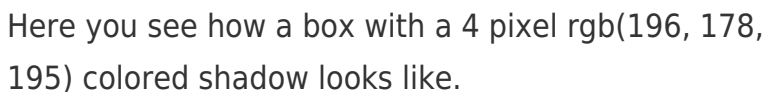
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 178, 195) }
```


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

```
.border{ border-color:rgb(196, 178, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 178, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 178, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 178, 195); box-shadow:4px 4px 4px 4px rgb(196, 178, 195) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5357, 47.5167, 58.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 178, 195) }
```

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

```
.background{ background-color: rgb(196,  
178, 195) }
```

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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