

Converting Colors

XYZ(48.8954, 47.5305, 60.8579)

Have a look what the booklet for
XYZ(48.8954, 47.5305, 60.8579)
contains.

XYZ(48.9941, 47.7001, 60.6576)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.9941, 47.7001,
60.6576)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B2C7
RGB	196, 178, 199
RGB Percent	77%, 70%, 78%
CMY	0.2314, 0.3019, 0.2196
CMYK	0.02, 0.11, 0.00, 0.22
HSL	291°, 16%, 74%
HSV	291°, 11%, 78%
XYZ	48.9941, 47.7001, 60.6576
YIQ	185.7760, 3.9870, 10.3470

Conversions

Conversions Part 2

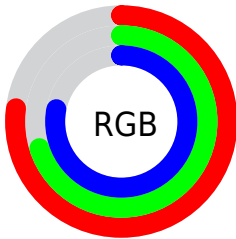
Format	Color
R_{YB}	196, 178, 199
Decimal	12890823
CIE _{Lab}	74.64, 10.23, -8.30
CIE _{LCh}	75, 13.174, 320.962
Yxy	47.7001, 0.3114, 0.3031
Android (android.graphics.Color)	4291080903 (0xFFC4B2C7)
YUV	185.7760, 6.5194, 8.9664
Hunter-Lab	69.0653, 5.7616, -3.7267

Details

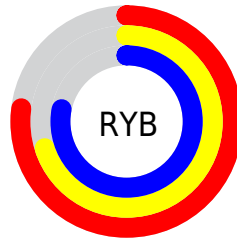
The XYZ color **48.9941, 47.7001, 60.6576** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.5172, 53.8863, 50.0186**, and the grayscale version is **46.5111, 48.9333, 53.2884**.

A 20% lighter version of the original color is **87.9808, 86.9483, 106.7533**, and **23.5998, 22.4623, 29.8799** is the 20% darker color. If you saturate the color by 10%, you get **44.5862, 39.9712, 59.3988**, and if you desaturate by 10%, it is **53.9932, 56.5891, 62.1106**.

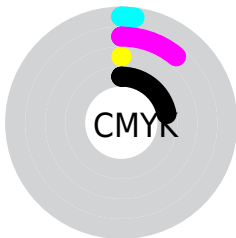
Distribution



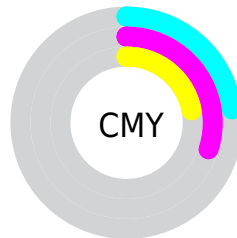
- Red (77%)
- Green (70%)
- Blue (78%)



- Red (77%)
- Yellow (70%)
- Blue (78%)



- Cyan (2%)
- Magenta (11%)
- Yellow (0%)
- Black (22%)



- Cyan (23%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9941, 47.7001, 60.6576 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 48.9941, 47.7001, 60.6576 by changing the saturation by 10% instead.

■ 48.9941, 47.7001,
60.6576

■ 48.9941, 47.7001,
60.6576

373.2364,
377.6022, 444.8892

■ 34.8293, 33.5895,
43.5201

■ 87.8835, 86.7577,
107.3357

■ 23.6973, 22.5784,
29.9590

113.3388,
112.4735, 137.7134

■ 15.2328, 14.2825,
19.5557

143.2883,
142.8264, 173.3416

■ 9.0703, 8.3174,
11.8916

178.0973,
178.2009, 214.6389

■ 4.8445, 4.2987,
6.5483

218.1313,
218.9813, 262.0238

■ 2.1902, 1.8420,
3.1071

263.7556,

■ 0.7375, 0.5132,

265.5520, 315.9147

1.1496

315.3355,
318.2975, 376.7304

■ 0.0000, 0.0000,
0.0000

■ 48.9941, 47.7001,
60.6576

■ 48.9941, 47.7001,
60.6576

■ 44.5862, 39.9712,
59.3988

■ 53.9932, 56.5891,
62.1106

■ 40.7405, 33.3469,
58.3229

■ 59.6026, 66.6784,
63.7624

■ 37.4321, 27.7765,
57.4221

■ 65.8454, 78.0137,
65.6213

■ 34.6323, 23.2028,
56.6868

■ 71.9059, 88.9630,
67.4153

■ 32.3097, 19.5630,
56.1067

■ 72.7095, 89.3773,
67.4529

■ 30.4292, 16.7875,
55.6701

■ 73.5274, 89.7990,
67.4912

■ 28.9512, 14.7966,
55.3637

■ 74.3599, 90.2281,
67.5301

■ 27.8282, 13.4959,
55.1718

■ 75.2068, 90.6647,
67.5698

■ 27.0093, 12.7329,
55.0677

■ 76.0684, 91.1089,
67.6101

Harmonies

Analogous

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



46.9982, 47.7001, 65.1944



48.9941, 47.7001, 60.6576



50.0196, 47.7001, 54.0283

Triad

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



48.9941, 47.7001, 60.6576



46.0619, 47.7001, 40.0150



41.1880, 47.7001, 56.7796

Complementary

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



48.9941, 47.7001, 60.6576



47.5172, 53.8863, 50.0186

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.



40.9571, 47.7001, 49.9010



48.9941, 47.7001, 60.6576



43.7164, 47.7001, 40.6115

Square

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



48.9941, 47.7001, 60.6576



48.2881, 47.7001, 42.3882



41.8675, 47.7001, 44.0956



42.5097, 47.7001, 62.8226

Rectangle

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



48.9941, 47.7001, 60.6576



49.9911, 47.7001, 49.4794



41.8675, 47.7001, 44.0956



40.9821, 47.7001, 54.4753

Sweetspot

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



48.9955, 47.7022, 60.6586



92.2569, 95.0091, 108.0839



45.2254, 46.6996, 60.6638



19.5906, 20.0574, 23.0889



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.



48.9955, 47.7022, 60.6586



83.6502, 79.7556, 105.5933



48.9508, 47.7753, 56.3091



10.9284, 10.7369, 13.4139



17.4240, 8.2166, 35.4120



0.8669, 0.4107, 1.6787

Inverse Universe

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



47.8158, 47.3213, 50.3324



81.1296, 78.9462, 83.3365



47.5792, 53.8307, 53.9775



10.6946, 10.6612, 11.3750



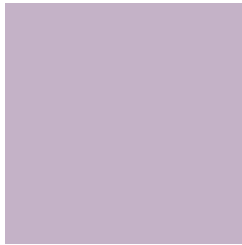
15.3031, 7.8708, 1.5401



0.7451, 0.3809, 0.1807

Previews

White Background



This preview shows how the XYZ color 48.9941, 47.7001, 60.6576 looks on a white background.

Color Contrast Check

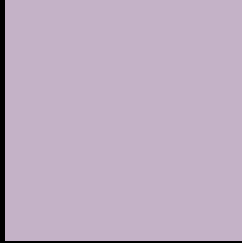
Large Text (above 18pt) WCAG AA × Fail

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 48.9941, 47.7001, 60.6576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

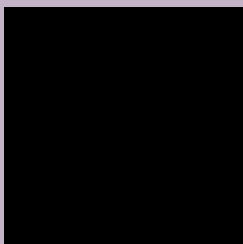
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

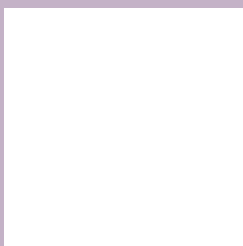
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9941, 47.7001, 60.6576

Background



This preview shows how black text looks on a background with the XYZ color 48.9941, 47.7001, 60.6576.



This preview shows how white text looks on a background with the XYZ color 48.9941, 47.7001,

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

48.9941, 47.7001, 60.6576

Protanopia

46.6800, 47.6652, 62.6171

Deuteranopia

48.9346, 47.9658, 60.7120



Tritanopia

48.2514, 47.6926, 57.1145

Trichromacy



Original Color

48.9941, 47.7001, 60.6576

Protanomaly

47.5600, 47.8296, 61.9837

Deuteranomaly

48.9346, 47.9658, 60.7120

Tritanomaly

48.4761, 47.7824, 58.2977

Monochromacy



Original Color

48.9941, 47.7001, 60.6576

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.5727, 48.5757, 56.1589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9941, 47.7001, 60.6576 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(196, 178, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 178, 199) }
```

Border

The CSS property to change the border of an element to XYZ 48.9941, 47.7001, 60.6576 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, 199) }
```


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

```
.border{ border-color:rgb(196, 178, 199) }
```

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, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 178, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 178, 199);  
box-shadow:4px 4px 4px 4px rgb(196, 178,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9941, 47.7001, 60.6576 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, 199) }
```

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

```
.background{ background-color: rgb(196,  
178, 199) }
```

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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