

Converting Colors

XYZ(48.9212, 46.9436, 61.9662)

Have a look what the booklet for
XYZ(48.9212, 46.9436, 61.9662)
contains.

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Color

**XYZ(48.8329, 47.0035,
61.7571)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B0C9
RGB	196, 176, 201
RGB Percent	77%, 69%, 79%
CMY	0.2314, 0.3098, 0.2118
CMYK	0.02, 0.12, 0.00, 0.21
HSL	288°, 19%, 74%
HSV	288°, 12%, 79%
XYZ	48.8329, 47.0035, 61.7571
YIQ	184.8300, 3.8950, 12.0150

Conversions

Conversions Part 2

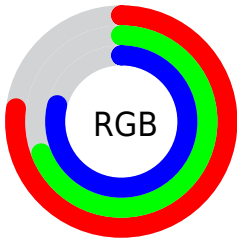
Format	Color
R_{YB}	196, 176, 201
Decimal	12890313
CIE _{Lab}	74.19, 11.70, -10.05
CIE _{LCh}	74, 15.427, 319.346
Yxy	47.0035, 0.3099, 0.2983
Android (android.graphics.Color)	4291080393 (0xFFC4B0C9)
YUV	184.8300, 7.9718, 9.7961
Hunter-Lab	68.5591, 7.1626, -5.4163

Details

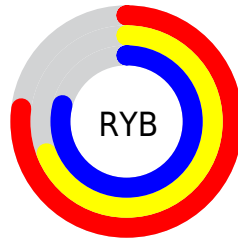
The XYZ color **48.8329, 47.0035, 61.7571** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.7809, 54.7328, 49.1229**, and the grayscale version is **45.9764, 48.3708, 52.6758**.

A 20% lighter version of the original color is **87.4146, 85.8159, 106.5646**, and **23.5047, 22.0233, 30.6158** is the 20% darker color. If you saturate the color by 10%, you get **44.1486, 39.1660, 60.4919**, and if you desaturate by 10%, it is **54.1315, 56.0266, 63.2202**.

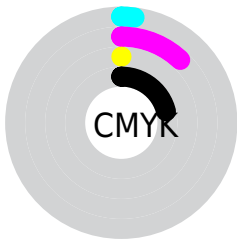
Distribution



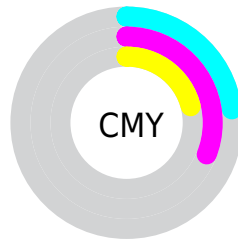
- Red (77%)
- Green (69%)
- Blue (79%)



- Red (77%)
- Yellow (69%)
- Blue (79%)



- Cyan (2%)
- Magenta (12%)
- Yellow (0%)
- Black (21%)



- Cyan (23%)
- Magenta (31%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8329, 47.0035, 61.7571 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 48.8329, 47.0035, 61.7571 by changing the saturation by 10% instead.

■ 48.8329, 47.0035,
61.7571

■ 48.8329, 47.0035,
61.7571

372.6120,
374.8285, 449.0277

■ 34.7009, 33.0384,
44.4019

■ 87.6454, 85.7188,
108.9426

■ 23.5980, 22.1559,
30.6471

113.0567,
111.2379, 139.6100

■ 15.1588, 13.9715,
20.0741

142.9585,
141.3771, 175.5519

■ 9.0180, 8.1008,
12.2643

177.7161,
176.5208, 217.1868

■ 4.8101, 4.1595,
6.7992

217.6949,
217.0534, 264.9333

■ 2.1699, 1.7632,
3.2603

263.2602,

■ 0.7268, 0.4641,

263.3592, 319.2099

1.2290

314.7775,
315.8228, 380.4352

■ 0.0000, 0.0000,
0.0026

■ 0.0000, 0.0000,
0.0000

■ 48.8329, 47.0035,
61.7571

■ 48.8329, 47.0035,
61.7571

■ 44.1486, 39.1660,
60.4919

■ 54.1315, 56.0266,
63.2202

■ 40.0487, 32.4567,
59.4130

■ 60.0645, 66.2772,
64.8860

■ 36.5070, 26.8228,
58.5122

■ 66.6560, 77.8027,
66.7633

■ 33.4934, 22.2045,
57.7796

■ 73.4780, 89.7464,
68.7091

■ 30.9750, 18.5363,
57.2043

■ 74.6521, 90.3517,
68.7640

■ 28.9150, 15.7450,
56.7741

■ 75.8553, 90.9720,
68.8203

■ 27.2712, 13.7465,
56.4750

■ 77.0877, 91.6073,
68.8780

■ 25.9931, 12.4399,
56.2901

■ 78.3497, 92.2579,
68.9371

■ 25.2000, 11.7732,
56.2033

■ 79.6413, 92.9238,
68.9975

Harmonies

Analogous

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



46.4605, 47.0035, 66.9373



48.8329, 47.0035, 61.7571



50.1086, 47.0035, 54.0468

Triad

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



48.8329, 47.0035, 61.7571



45.6659, 47.0035, 37.6220



39.8429, 47.0035, 56.3921

Complementary

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



48.8329, 47.0035, 61.7571



47.7809, 54.7328, 49.1229

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.



39.6499, 47.0035, 48.4142



48.8329, 47.0035, 61.7571



42.9367, 47.0035, 38.1107

Square

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



48.8329, 47.0035, 61.7571



48.2306, 47.0035, 40.4713



40.7609, 47.0035, 41.8832



41.2993, 47.0035, 63.6257

Rectangle

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



48.8329, 47.0035, 61.7571



50.1313, 47.0035, 48.7450



40.7609, 47.0035, 41.8832



39.6304, 47.0035, 53.6923

Sweetspot

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



48.8343, 47.0055, 61.7581



91.1353, 93.2790, 107.8090



45.0578, 46.6668, 61.8918



19.3534, 19.7033, 23.0330



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.



48.8343, 47.0055, 61.7581



81.2796, 76.5547, 105.1004



49.3424, 47.3615, 57.5322



10.8673, 10.7054, 13.4111



15.9205, 7.4416, 35.3416



0.8082, 0.3804, 1.6760

Inverse Universe

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



47.9548, 46.8065, 50.2254



79.4974, 76.1605, 81.3166



47.3487, 54.4269, 52.8571



10.7192, 10.6711, 11.5044



15.4148, 7.9155, 2.1281



0.7562, 0.3853, 0.2396

Previews

White Background



This preview shows how the XYZ color 48.8329, 47.0035, 61.7571 looks on a white background.

Color Contrast Check

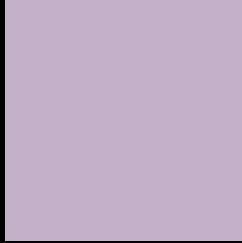
Large Text (above 18pt) WCAG AA × Fail

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 48.8329, 47.0035, 61.7571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

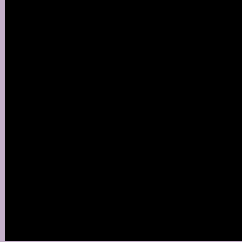
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8329, 47.0035, 61.7571

Background



This preview shows how black text looks on a background with the XYZ color 48.8329, 47.0035, 61.7571.



This preview shows how white text looks on a background with the XYZ color 48.8329, 47.0035,

61.7571.

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

48.8329, 47.0035, 61.7571

Protanopia

46.0134, 46.9911, 63.7718

Deuteranopia

48.2012, 47.2643, 61.8408



Tritanopia

47.9405, 47.2487, 56.4623

Trichromacy



Original Color

48.8329, 47.0035, 61.7571

Protanomaly

46.9072, 46.8663, 63.0737

Deuteranomaly

48.2571, 46.9988, 61.7866

Tritanomaly

48.0781, 46.9865, 58.1651

Monochromacy



Original Color

48.8329, 47.0035, 61.7571

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.1182, 48.0363, 56.0788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8329, 47.0035, 61.7571 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, 176, 201)` looks like.

```
.text, #text, p{  
    color:rgb(196, 176, 201)  
}
```

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, 176, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 176, 201) }
```

Border

The CSS property to change the border of an element to XYZ 48.8329, 47.0035, 61.7571 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, 176, 201) }
```


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

```
.border{ border-color:rgb(196, 176, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 176, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 176, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 176, 201);  
box-shadow:4px 4px 4px 4px rgb(196, 176,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8329, 47.0035, 61.7571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 176, 201) }
```

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

```
.background{ background-color: rgb(196,  
176, 201) }
```

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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