

Converting Colors

XYZ(47.9987, 47.0051, 67.9881)

Have a look what the booklet for
XYZ(47.9987, 47.0051, 67.9881)
contains.

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Color

**XYZ(47.9280, 46.9830,
68.1706)**

Conversions

Conversions Part 1

Format	Color
Hex	BAB2D3
RGB	186, 178, 211
RGB Percent	73%, 70%, 83%
CMY	0.2706, 0.3019, 0.1725
CMYK	0.12, 0.16, 0.00, 0.17
HSL	255°, 27%, 76%
HSV	255°, 16%, 83%
XYZ	47.9280, 46.9830, 68.1706
YIQ	184.1540, -5.8250, 11.9590

Conversions

Conversions Part 2

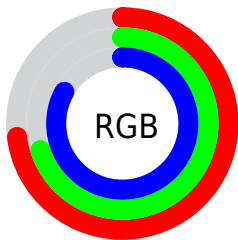
Format	Color
R_{YB}	186, 178, 211
Decimal	12235475
CIE Lab	74.18, 9.27, -15.62
CIE LCh	74, 18.161, 300.697
Yxy	46.9830, 0.2939, 0.2881
Android (android.graphics.Color)	4290425555 (0xFFBAB2D3)
YUV	184.1540, 13.2351, 1.6189
Hunter-Lab	68.5441, 4.8600, -10.9860

Details

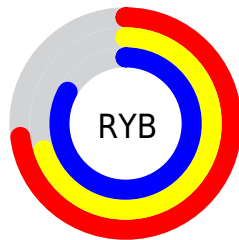
The XYZ color **47.9280, 46.9830, 68.1706** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **55.9603, 62.5006, 51.2360**, and the grayscale version is **45.5777, 47.9513, 52.2189**.

A 20% lighter version of the original color is **84.0908, 84.9429, 106.5713**, and **23.0072, 22.0541, 34.4967** is the 20% darker color. If you saturate the color by 10%, you get **40.3799, 37.3325, 66.7064**, and if you desaturate by 10%, it is **56.5592, 58.1529, 69.8724**.

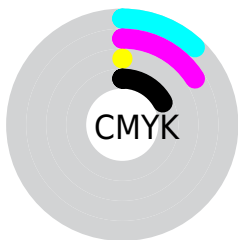
Distribution



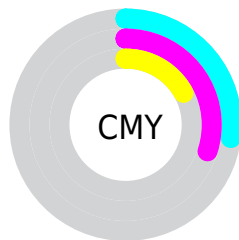
- Red (73%)
- Green (70%)
- Blue (83%)



- Red (73%)
- Yellow (70%)
- Blue (83%)



- Cyan (12%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)



- Cyan (27%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9280, 46.9830, 68.1706 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 47.9280, 46.9830, 68.1706 by changing the saturation by 10% instead.

■ 47.9280, 46.9830,
68.1706

■ 47.9280, 46.9830,
68.1706

369.0940,
374.7467, 472.7147

■ 33.9809, 33.0222,
49.5690

■ 86.3075, 85.6882,
118.2527

■ 23.0417, 22.1435,
34.7023

111.4707,
111.2015, 150.5702

■ 14.7452, 13.9624,
23.1519

141.1032,
141.3344, 188.2968

■ 8.7259, 8.0945,
14.4994

175.5705,
176.4712, 231.8511

■ 4.6185, 4.1555,
8.3261

215.2378,
216.9965, 281.6514

■ 2.0576, 1.7609,
4.2136

260.4706,

■ 0.6660, 0.4626,

263.2946, 338.1164

1.7432

311.6342,
315.7498, 401.6647

■ 0.0000, 0.0000,
0.3901

■ 0.0000, 0.0000,
0.0000

■ 47.9280, 46.9830,
68.1706

■ 47.9280, 46.9830,
68.1706

■ 40.3799, 37.3325,
66.7064

■ 56.5592, 58.1529,
69.8724

■ 33.8668, 29.1293,
65.4663

■ 66.3104, 70.8982,
71.8186

■ 28.3437, 22.3043,
64.4401

■ 77.2218, 85.2797,
74.0194

■ 23.7600, 16.7802,
63.6154

■ 86.9226, 96.5370,
75.6810

■ 20.0607, 12.4720,
62.9788

■ 88.7580, 97.4832,
75.7669

■ 17.1846, 9.2843,
62.5151

■ 15.0619, 7.1071,
62.2067

■ 13.6096, 5.8060,
62.0322

■ 13.1305, 5.4108,
61.9811

Harmonies

Analogous

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



44.7321, 46.9830, 71.2560



47.9280, 46.9830, 68.1706



50.3396, 46.9830, 60.4412

Triad

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



47.9280, 46.9830, 68.1706



47.7900, 46.9830, 37.0627



38.6851, 46.9830, 51.3747

Complementary

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



47.9280, 46.9830, 68.1706



55.9603, 62.5006, 51.2360

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.



39.4170, 46.9830, 42.8750



47.9280, 46.9830, 68.1706



44.5799, 46.9830, 35.2440

Square

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



47.9280, 46.9830, 68.1706



50.2572, 46.9830, 42.5403



41.5363, 46.9830, 37.2387



39.4871, 46.9830, 60.8640

Rectangle

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



47.9280, 46.9830, 68.1706



51.1219, 46.9830, 54.1095



41.5363, 46.9830, 37.2387



38.7595, 46.9830, 48.3129

Sweetspot

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



47.9294, 46.9850, 68.1716



87.6517, 90.3470, 107.4267



51.5463, 57.0232, 69.9186



18.5461, 19.0583, 22.9511



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.



47.9294, 46.9850, 68.1716



69.2553, 66.5787, 103.8086



52.0910, 49.1303, 68.3664



11.4282, 11.5541, 14.8715



8.0021, 3.3055, 37.4088



0.5205, 0.2225, 2.0951

Inverse Universe

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



53.5654, 50.0034, 63.3302



79.6604, 72.1545, 94.7257



51.7763, 60.3436, 51.0402



12.1832, 11.9580, 14.2405



20.0762, 9.9033, 21.1054



1.1526, 0.5658, 1.3386

Previews

White Background



This preview shows how the XYZ color 47.9280, 46.9830, 68.1706 looks on a white background.

Color Contrast Check

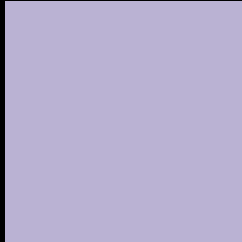
Large Text (above 18pt) WCAG AA × Fail

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 47.9280, 46.9830, 68.1706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

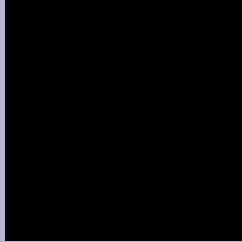
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9280, 46.9830, 68.1706

Background



This preview shows how black text looks on a background with the XYZ color 47.9280, 46.9830, 68.1706.



This preview shows how white text looks on a background with the XYZ color 47.9280, 46.9830,

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

47.9280, 46.9830, 68.1706

Protanopia

46.4386, 47.0819, 69.5909

Deuteranopia

47.9280, 46.9830, 68.1706



Tritanopia

45.9026, 47.0552, 58.2930

Trichromacy



Original Color

47.9280, 46.9830, 68.1706

Protanomaly

47.0273, 47.0993, 68.8998

Deuteranomaly

47.9280, 46.9830, 68.1706

Tritanomaly

46.6310, 47.0499, 61.8822

Monochromacy



Original Color

47.9280, 46.9830, 68.1706

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.4731, 47.6652, 57.7898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9280, 46.9830, 68.1706 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(186, 178, 211)` looks like.

```
.text, #text, p{  
    color:rgb(186, 178, 211)  
}
```

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(186, 178, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 178, 211) }
```

Border

The CSS property to change the border of an element to XYZ 47.9280, 46.9830, 68.1706 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(186, 178, 211) }
```


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

```
.border{ border-color:rgb(186, 178, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 178, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 178, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 178, 211);  
box-shadow:4px 4px 4px 4px rgb(186, 178,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9280, 46.9830, 68.1706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 178, 211) }
```

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

```
.background{ background-color: rgb(186,  
178, 211) }
```

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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