

Converting Colors

XYZ(46.9057, 46.4981, 66.3205)

Have a look what the booklet for
XYZ(46.9057, 46.4981, 66.3205)
contains.

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Color

**XYZ(46.8340, 46.4621,
66.1742)**

Conversions

Conversions Part 1

Format	Color
Hex	B7B2D0
RGB	183, 178, 208
RGB Percent	72%, 70%, 82%
CMY	0.2823, 0.3019, 0.1843
CMYK	0.12, 0.14, 0.00, 0.18
HSL	250°, 24%, 76%
HSV	250°, 14%, 82%
XYZ	46.8340, 46.4621, 66.1742
YIQ	182.9150, -6.6500, 10.3900

Conversions

Conversions Part 2

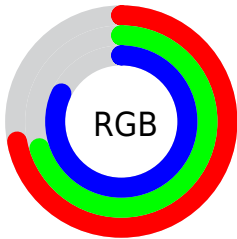
Format	Color
R _Y B	183, 178, 208
Decimal	12038864
CIE Lab	73.84, 7.66, -14.51
CIE LCh	74, 16.405, 297.841
Yxy	46.4621, 0.2937, 0.2914
Android (android.graphics.Color)	4290228944 (0xFFB7B2D0)
YUV	182.9150, 12.3669, 0.0745
Hunter-Lab	68.1631, 3.3596, -9.8458

Details

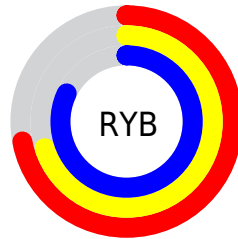
The XYZ color **46.8340, 46.4621, 66.1742** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **55.2219, 61.0238, 50.9899**, and the grayscale version is **44.9013, 47.2397, 51.4440**.

A 20% lighter version of the original color is **83.0694, 84.4164, 106.5235**, and **22.3723, 21.7462, 33.5901** is the 20% darker color. If you saturate the color by 10%, you get **39.1331, 36.8082, 64.7174**, and if you desaturate by 10%, it is **55.6731, 57.6367, 67.8660**.

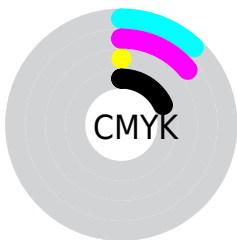
Distribution



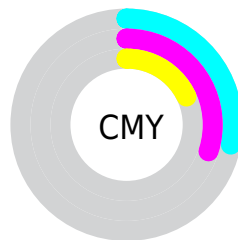
- Red (72%)
- Green (70%)
- Blue (82%)



- Red (72%)
- Yellow (70%)
- Blue (82%)



- Cyan (12%)
- Magenta (14%)
- Yellow (0%)
- Black (18%)



- Cyan (28%)
- Magenta (30%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8340, 46.4621, 66.1742 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 46.8340, 46.4621, 66.1742 by changing the saturation by 10% instead.

■ 46.8340, 46.4621,
66.1742

■ 46.8340, 46.4621,
66.1742

364.8115,
372.6633, 465.4208

■ 33.1118, 32.6106,
47.9565

■ 84.6860, 84.9101,
115.3657

■ 22.3718, 21.8283,
33.4327

109.5466,
110.2755, 147.1765

■ 14.2485, 13.7308,
22.1843

138.8507,
140.2476, 184.3555

■ 8.3765, 7.9337,
13.7927

172.9637,
175.2109, 227.3211

■ 4.3906, 4.0525,
7.8396

212.2509,
215.5497, 276.4919

■ 1.9254, 1.7030,
3.9062

257.0777,

■ 0.5915, 0.4256,

261.6485, 332.2864

1.5740

307.8095,
313.8915, 395.1232

■ 0.0000, 0.0000,
0.2722

■ 0.0000, 0.0000,
0.0000

■ 46.8340, 46.4621,
66.1742

■ 46.8340, 46.4621,
66.1742

■ 39.1331, 36.8082,
64.7174

■ 55.6731, 57.6367,
67.8660

■ 32.5195, 28.6034,
63.4823

■ 65.6899, 70.3878,
69.7992

■ 26.9449, 21.7789,
62.4589

■ 76.9274, 84.7758,
71.9841

■ 22.3556, 16.2581,
61.6351

■ 87.4135, 96.8331,
73.7587

■ 18.6929, 11.9568,
60.9979

■ 88.3853, 97.3341,
73.8042

■ 15.8917, 8.7809,
60.5326

■ 13.8781, 6.6222,
60.2220

■ 12.5648, 5.3503,
60.0457

■ 12.0668, 4.9055,
59.9861

Harmonies

Analogous

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



43.9497, 46.4621, 68.4105



46.8340, 46.4621, 66.1742



49.0844, 46.4621, 59.6358

Triad

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



46.8340, 46.4621, 66.1742



47.2159, 46.4621, 38.1660



38.7867, 46.4621, 49.9862

Complementary

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



46.8340, 46.4621, 66.1742



55.2219, 61.0238, 50.9899

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.



39.5781, 46.4621, 42.5074



46.8340, 46.4621, 66.1742



44.3726, 46.4621, 36.1677

Square

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



46.8340, 46.4621, 66.1742



49.3116, 46.4621, 43.4482



41.5914, 46.4621, 37.6663



39.3818, 46.4621, 58.4730

Rectangle

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



46.8340, 46.4621, 66.1742



49.8774, 46.4621, 54.0508



41.5914, 46.4621, 37.6663



38.8986, 46.4621, 47.2789

Sweetspot

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



46.8354, 46.4640, 66.1752



88.8234, 92.0871, 107.7008



51.2209, 56.9688, 67.9717



18.7686, 19.4018, 23.0057



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.



46.8354, 46.4640, 66.1752



70.6812, 69.1725, 104.2341



50.4642, 48.3348, 66.3451



11.3446, 11.5110, 14.8676



7.5759, 3.0858, 37.3888



0.4818, 0.2026, 2.0933

Inverse Universe

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



52.7138, 49.5644, 63.2905



81.6048, 74.9357, 98.7889



51.4556, 59.0822, 50.8136



12.2227, 11.9738, 14.4485



20.9652, 10.2589, 25.7864



1.1953, 0.5828, 1.5630

Previews

White Background



This preview shows how the XYZ color 46.8340, 46.4621, 66.1742 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 46.8340, 46.4621, 66.1742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

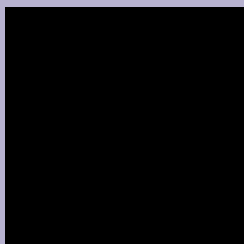
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8340, 46.4621, 66.1742

Background



This preview shows how black text looks on a background with the XYZ color 46.8340, 46.4621, 66.1742.



This preview shows how white text looks on a background with the XYZ color 46.8340, 46.4621,

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

46.8340, 46.4621, 66.1742

Protanopia

45.7344, 46.4761, 66.8819

Deuteranopia

47.3570, 46.4375, 66.1418



Tritanopia

45.2276, 46.4064, 58.2033

Trichromacy



Original Color

46.8340, 46.4621, 66.1742

Protanomaly

46.2191, 46.4274, 66.8470

Deuteranomaly

47.1149, 46.3126, 66.1305

Tritanomaly

45.8368, 46.3554, 61.1752

Monochromacy



Original Color

46.8340, 46.4621, 66.1742

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.5667, 46.9208, 56.5242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8340, 46.4621, 66.1742 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(183, 178, 208)` looks like.

```
.text, #text, p{  
    color:rgb(183, 178, 208)  
}
```

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(183, 178, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 178, 208) }
```

Border

The CSS property to change the border of an element to XYZ 46.8340, 46.4621, 66.1742 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(183, 178, 208) }
```


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

```
.border{ border-color:rgb(183, 178, 208) }
```

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

Here you see how a box with a 4 pixel rgb(183, 178, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 178, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 178, 208);  
box-shadow:4px 4px 4px 4px rgb(183, 178,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8340, 46.4621, 66.1742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 178, 208) }
```

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

```
.background{ background-color: rgb(183,  
178, 208) }
```

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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