

Converting Colors

XYZ(44.8431, 46.0166, 66.8402)

Have a look what the booklet for
XYZ(44.8431, 46.0166, 66.8402)
contains.

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Color

**XYZ(44.8431, 46.0166,
66.8402)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB4D1
RGB	172, 180, 209
RGB Percent	67%, 71%, 82%
CMY	0.3255, 0.2941, 0.1804
CMYK	0.18, 0.14, 0.00, 0.18
HSL	227°, 29%, 75%
HSV	227°, 18%, 82%
XYZ	44.8431, 46.0166, 66.8402
YIQ	180.9140, -14.0770, 7.3230

Conversions

Conversions Part 2

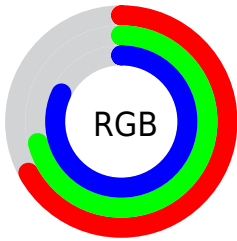
Format	Color
RYB	172, 179, 209
Decimal	11318481
CIELab	73.56, 3.23, -15.57
CIELCh	74, 15.900, 281.706
Yxy	46.0166, 0.2844, 0.2918
Android (android.graphics.Color)	4289508561 (0xFFACB4D1)
YUV	180.9140, 13.8464, -7.8176
Hunter-Lab	67.8355, -0.7137, -10.9352

Details

The XYZ color **44.8431, 46.0166, 66.8402** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **54.6278, 58.3070, 47.4059**, and the grayscale version is **43.8086, 46.0901, 50.1921**.

A 20% lighter version of the original color is **80.0404, 83.7049, 106.5458**, and **21.1135, 21.4672, 34.0411** is the 20% darker color. If you saturate the color by 10%, you get **37.4984, 37.6091, 65.6052**, and if you desaturate by 10%, it is **53.3028, 55.5814, 68.2413**.

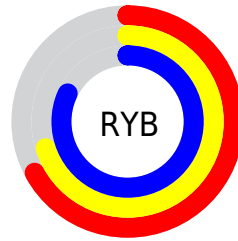
Distribution



Red (67%)

Green (71%)

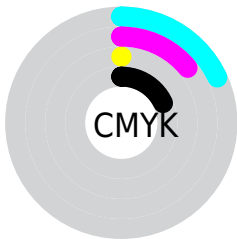
Blue (82%)



Red (67%)

Yellow (70%)

Blue (82%)

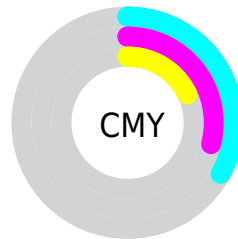


Cyan (18%)

Magenta (14%)

Yellow (0%)

Black (18%)



Cyan (33%)

Magenta (29%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8431, 46.0166, 66.8402 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 44.8431, 46.0166, 66.8402 by changing the saturation by 10% instead.

■ 44.8431, 46.0166,
66.8402

■ 44.8431, 46.0166,
66.8402

356.9321,
370.8754, 467.8617

■ 31.5346, 32.2589,
48.4940

■ 81.7234, 84.2438,
116.3299

■ 21.1601, 21.5593,
33.8555

106.0260,
109.4822, 148.3104

■ 13.3542, 13.5335,
22.5061

134.7239,
139.3162, 185.6728

■ 7.7516, 7.7969,
14.0274

168.1826,
174.1303, 228.8357

■ 3.9869, 3.9653,
8.0008

206.7675,
214.3089, 278.2174

■ 1.6947, 1.6542,
4.0077

250.8437,

■ 0.4530, 0.3937,

260.2363, 334.2367

1.6295

300.7769,
312.2970, 397.3119

■ 0.0000, 0.0000,
0.3118

■ 0.0000, 0.0000,
0.0000

■ 44.8431, 46.0166,
66.8402

■ 44.8431, 46.0166,
66.8402

■ 37.4984, 37.6091,
65.6052

■ 53.3028, 55.5814,
68.2413

■ 31.2174, 30.3087,
64.5272

■ 62.9175, 66.3397,
69.8111

■ 25.9507, 24.0700,
63.6006

■ 73.7306, 78.3333,
71.5562

■ 21.6435, 18.8420,
62.8185

■ 85.5599, 91.4857,
73.4714

■ 18.2355, 14.5695,
62.1734

■ 88.5088, 97.3835,
74.4543

■ 15.6593, 11.1915,
61.6572

■ 13.8373, 8.6394,
61.2606

■ 12.6657, 6.8281,
60.9727

■ 12.4549, 6.4957,
60.9197

Harmonies

Analogous

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



42.0628, 46.0166, 66.2838



44.8431, 46.0166, 66.8402



47.4325, 46.0166, 62.5710

Triad

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



44.8431, 46.0166, 66.8402



47.8976, 46.0166, 40.4959



38.8041, 46.0166, 45.4010

Complementary

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



44.8431, 46.0166, 66.8402



54.6278, 58.3070, 47.4059

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.



40.2393, 46.0166, 39.4142



44.8431, 46.0166, 66.8402



45.4559, 46.0166, 36.7983

Square

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



44.8431, 46.0166, 66.8402



49.2459, 46.0166, 47.0291



42.6500, 46.0166, 36.4248



38.6558, 46.0166, 53.3107

Rectangle

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



44.8431, 46.0166, 66.8402



48.6709, 46.0166, 57.8049



42.6500, 46.0166, 36.4248



39.1491, 46.0166, 43.1199

Sweetspot

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



44.8445, 46.0185, 66.8412



87.4085, 91.4509, 107.6526



50.3552, 58.5887, 63.9036



18.4872, 19.3254, 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.



44.8445, 46.0185, 66.8412



66.0607, 67.3043, 104.1170



45.6678, 44.1136, 66.4301



11.3680, 11.8263, 14.9272



7.7389, 4.1244, 37.5807



0.4925, 0.3503, 2.1212

Inverse Universe

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



49.2863, 46.3567, 49.5322



74.2459, 68.0491, 72.1934



53.6728, 60.6564, 47.9097



11.9119, 11.8495, 12.8119



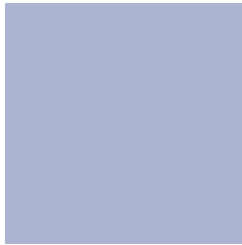
16.5370, 8.4876, 2.4679



0.9548, 0.4867, 0.2970

Previews

White Background



This preview shows how the XYZ color 44.8431, 46.0166, 66.8402 looks on a white background.

Color Contrast Check

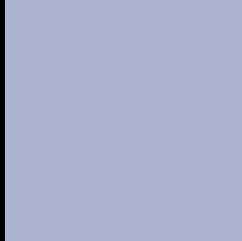
Large Text (above 18pt) WCAG AA × Fail

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 44.8431, 46.0166, 66.8402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

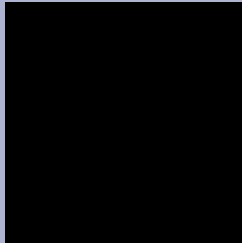
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.8431, 46.0166, 66.8402

Background



This preview shows how black text looks on a background with the XYZ color 44.8431, 46.0166, 66.8402.



This preview shows how white text looks on a background with the XYZ color 44.8431, 46.0166,

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

44.8431, 46.0166, 66.8402

Protanopia

45.1845, 45.9082, 66.1542

Deuteranopia

46.9254, 45.8942, 67.3580



Tritanopia

43.3836, 46.0332, 59.4221

Trichromacy



Original Color

44.8431, 46.0166, 66.8402

Protanomaly

44.9608, 45.7929, 66.1437

Deuteranomaly

46.1774, 45.8007, 67.3794

Tritanomaly

43.8611, 45.9227, 61.8106

Monochromacy



Original Color

44.8431, 46.0166, 66.8402

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.2879, 46.2743, 55.8878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8431, 46.0166, 66.8402 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(172, 180, 209)` looks like.

```
.text, #text, p{  
    color:rgb(172, 180, 209)  
}
```

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(172, 180, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 180, 209) }
```

Border

The CSS property to change the border of an element to XYZ 44.8431, 46.0166, 66.8402 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(172, 180, 209) }
```


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

```
.border{ border-color:rgb(172, 180, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 180, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 180, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 180, 209);  
box-shadow:4px 4px 4px 4px rgb(172, 180,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8431, 46.0166, 66.8402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 180, 209) }
```

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

```
.background{ background-color: rgb(172,  
180, 209) }
```

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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