

Converting Colors

XYZ(48.0460, 46.5658, 80.8764)

Have a look what the booklet for
XYZ(48.0460, 46.5658, 80.8764)
contains.

XYZ(47.9965, 46.4485, 80.5645)	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(47.9965, 46.4485,
80.5645)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B1E5
RGB	177, 177, 229
RGB Percent	69%, 69%, 90%
CMY	0.3059, 0.3059, 0.1020
CMYK	0.23, 0.23, 0.00, 0.10
HSL	240°, 50%, 80%
HSV	240°, 23%, 90%
XYZ	47.9965, 46.4485, 80.5645
YIQ	182.9280, -16.6920, 16.1720

Conversions

Conversions Part 2

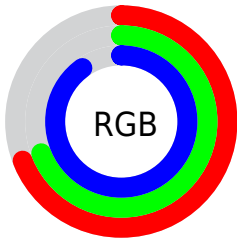
Format	Color
RYB	177, 177, 229
Decimal	11645413
CIELab	73.84, 10.94, -26.01
CIELCh	74, 28.213, 292.816
Yxy	46.4485, 0.2743, 0.2654
Android (android.graphics.Color)	4289835493 (0xFFB1B1E5)
YUV	182.9280, 22.7135, -5.1989
Hunter-Lab	68.1531, 6.4397, -22.3801

Details

The XYZ color **47.9965, 46.4485, 80.5645** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **68.2690, 75.8715, 52.6430**, and the grayscale version is **44.8575, 47.1936, 51.3938**.

A 20% lighter version of the original color is **80.7932, 82.8215, 106.3356**, and **23.0448, 21.8953, 42.5468** is the 20% darker color. If you saturate the color by 10%, you get **39.0618, 35.6828, 78.9582**, and if you desaturate by 10%, it is **58.5685, 59.1871, 82.4669**.

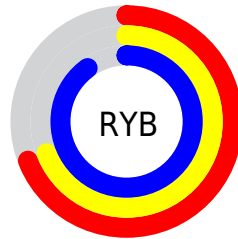
Distribution



Red (69%)

Green (69%)

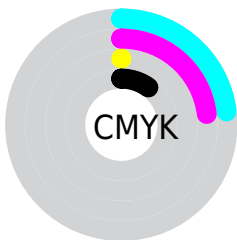
Blue (90%)



Red (69%)

Yellow (69%)

Blue (90%)

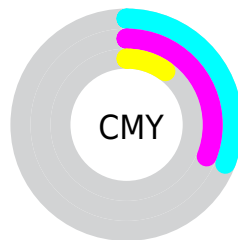


Cyan (23%)

Magenta (23%)

Yellow (0%)

Black (10%)



Cyan (31%)

Magenta (31%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9965, 46.4485, 80.5645 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 47.9965, 46.4485, 80.5645 by changing the saturation by 10% instead.

■ 47.9965, 46.4485,
80.5645

■ 47.9965, 46.4485,
80.5645

369.3611,
372.6088, 516.5901

■ 34.0354, 32.5999,
59.6541

■ 86.4089, 84.8898,
135.9777

■ 23.0838, 21.8201,
42.7164

111.5909,
110.2513, 171.3175

■ 14.7764, 13.7248,
29.3329

141.2439,
140.2192, 212.3042

■ 8.7479, 7.9295,
19.0851

175.7332,
175.1779, 259.3564

■ 4.6329, 4.0499,
11.5543

215.4242,
215.5119, 312.8925

■ 2.0661, 1.7015,
6.3222

260.6823,

■ 0.6707, 0.4246,

261.6054, 373.3311

2.9700

311.8728,
313.8429, 441.0908

■ 0.0000, 0.0000,
1.0793

■ 0.0000, 0.0000,
0.0000

■ 47.9965, 46.4485,
80.5645

■ 47.9965, 46.4485,
80.5645

■ 39.0618, 35.6828,
78.9582

■ 58.5685, 59.1871,
82.4669

■ 31.6782, 26.7861,
77.6301

■ 70.8490, 73.9842,
84.6757

■ 25.7589, 19.6538,
76.5654

■ 84.9106, 90.9275,
87.2050

■ 21.2064, 14.1682,
75.7465

■ 91.1430, 98.4372,
88.3260

■ 17.9115, 10.1980,
75.1539

■ 15.7482, 7.5915,
74.7648

■ 14.5648, 6.1655,
74.5519

■ 14.1430, 5.6573,
74.4760

Harmonies

Analogous

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



42.9521, 46.4485, 83.2472



47.9965, 46.4485, 80.5645



52.2907, 46.4485, 69.1834

Triad

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



47.9965, 46.4485, 80.5645



50.2406, 46.4485, 31.5975



35.2493, 46.4485, 47.1965

Complementary

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



47.9965, 46.4485, 80.5645



68.2690, 75.8715, 52.6430

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.



36.8976, 46.4485, 35.6431



47.9965, 46.4485, 80.5645



45.3657, 46.4485, 27.8120

Square

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



47.9965, 46.4485, 80.5645



53.6533, 46.4485, 40.5972



40.5107, 46.4485, 29.1384



35.8372, 46.4485, 62.0657

Rectangle

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



47.9965, 46.4485, 80.5645



54.0235, 46.4485, 59.1867



40.5107, 46.4485, 29.1384



35.5558, 46.4485, 42.8411

Sweetspot

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



47.9980, 46.4504, 80.5656



83.3529, 85.9058, 106.7960



60.1740, 70.9956, 84.0287



17.6363, 18.1407, 22.8219



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.



47.9980, 46.4504, 80.5656



55.9269, 52.8593, 101.8629



54.2595, 49.6781, 80.8586



13.5829, 13.8872, 18.1089



8.0862, 3.2345, 42.5813



0.5975, 0.2390, 3.1466

Inverse Universe

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



55.9723, 51.2781, 48.5445



67.7095, 59.9926, 54.5496



60.8216, 72.0325, 52.2945



14.3771, 14.3680, 14.9200



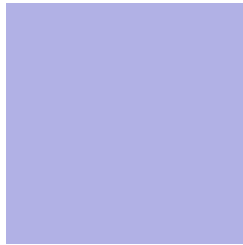
18.4751, 9.5242, 0.8647



1.3652, 0.7038, 0.0639

Previews

White Background



This preview shows how the XYZ color 47.9965, 46.4485, 80.5645 looks on a white background.

Color Contrast Check

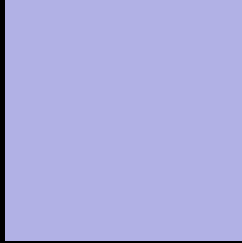
Large Text (above 18pt) WCAG AA × Fail

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 47.9965, 46.4485, 80.5645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

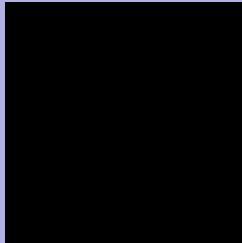
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9965, 46.4485, 80.5645

Background



This preview shows how black text looks on a background with the XYZ color 47.9965, 46.4485, 80.5645.



This preview shows how white text looks on a background with the XYZ color 47.9965, 46.4485,

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

47.9965, 46.4485, 80.5645

Protanopia

46.6924, 46.3346, 82.0838

Deuteranopia

47.5188, 46.4966, 80.5990



Tritanopia

43.8061, 46.5561, 59.5007

Trichromacy



Original Color

47.9965, 46.4485, 80.5645

Protanomaly

46.9979, 46.2119, 81.3056

Deuteranomaly

47.7424, 46.6119, 80.6094

Tritanomaly

45.2661, 46.5354, 66.9181

Monochromacy



Original Color

47.9965, 46.4485, 80.5645

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.0053, 47.0416, 61.2988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9965, 46.4485, 80.5645 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(177, 177, 229)` looks like.

```
.text, #text, p{  
    color:rgb(177, 177, 229)  
}
```

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(177, 177, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 177, 229) }
```

Border

The CSS property to change the border of an element to XYZ 47.9965, 46.4485, 80.5645 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(177, 177, 229) }
```


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

```
.border{ border-color:rgb(177, 177, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 177, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 177, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 177, 229);  
box-shadow:4px 4px 4px 4px rgb(177, 177,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9965, 46.4485, 80.5645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 177, 229) }
```

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

```
.background{ background-color: rgb(177,  
177, 229) }
```

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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