

Converting Colors

XYZ(47.0127, 48.3126, 79.9112)

Have a look what the booklet for
XYZ(47.0127, 48.3126, 79.9112)
contains.

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Color

**XYZ(47.0784, 48.4064,
80.2608)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B9E4
RGB	166, 185, 228
RGB Percent	65%, 73%, 89%
CMY	0.3490, 0.2745, 0.1059
CMYK	0.27, 0.19, 0.00, 0.11
HSL	222°, 53%, 77%
HSV	222°, 27%, 89%
XYZ	47.0784, 48.4064, 80.2608
YIQ	184.2210, -25.1270, 9.3450

Conversions

Conversions Part 2

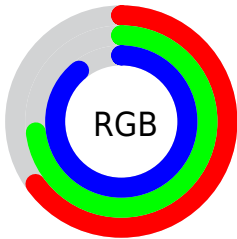
Format	Color
R _Y B	166, 181, 228
Decimal	10926564
CIE Lab	75.08, 3.02, -23.63
CIE LCh	75, 23.823, 277.280
Yxy	48.4064, 0.2679, 0.2754
Android (android.graphics.Color)	4289116644 (0xFFA6B9E4)
YUV	184.2210, 21.5830, -15.9798
Hunter-Lab	69.5747, -0.9720, -19.6942

Details

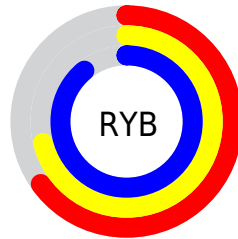
The XYZ color **47.0784, 48.4064, 80.2608** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.6788, 64.8482, 45.3438**, and the grayscale version is **45.5777, 47.9513, 52.2190**.

A 20% lighter version of the original color is **79.6295, 85.6602, 106.9449**, and **22.5077, 22.9918, 42.2813** is the 20% darker color. If you saturate the color by 10%, you get **39.5902, 39.9065, 79.0157**, and if you desaturate by 10%, it is **55.7849, 58.0827, 81.6705**.

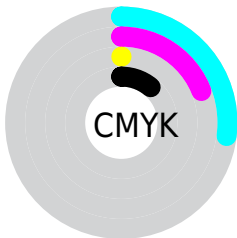
Distribution



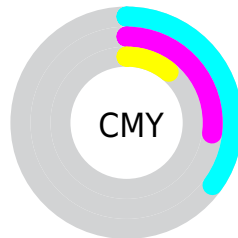
- Red (65%)
- Green (73%)
- Blue (89%)



- Red (65%)
- Yellow (71%)
- Blue (89%)



- Cyan (27%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (35%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0784, 48.4064, 80.2608 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 47.0784, 48.4064, 80.2608 by changing the saturation by 10% instead.

■ 47.0784, 48.4064,
80.2608

■ 47.0784, 48.4064,
80.2608

365.7711,
380.4007, 515.5412

■ 33.3058, 34.1488,
59.4056

■ 85.0487, 87.8092,
135.5471

■ 22.5212, 23.0080,
42.5175

■ 109.9771,
113.7232, 170.8151

■ 14.3591, 14.5994,
29.1781

139.3548,
144.2915, 211.7246

■ 8.4542, 8.5387,
18.9689

173.5473,
179.8984, 258.6940

■ 4.4412, 4.4415,
11.4712

212.9198,
220.9284, 312.1418

■ 1.9546, 1.9235,
6.2666

257.8377,

■ 0.6083, 0.5624,

267.7659, 372.4865

2.9364

308.6663,
320.7952, 440.1469

■ 0.0000, 0.0000,
1.0623

■ 0.0000, 0.0000,
0.0000

■ 47.0784, 48.4064,
80.2608

■ 47.0784, 48.4064,
80.2608

■ 39.5902, 39.9065,
79.0157

■ 55.7849, 58.0827,
81.6705

■ 33.2588, 32.5302,
77.9256

■ 65.7579, 68.9740,
83.2470

■ 28.0244, 26.2290,
76.9852

■ 77.0487, 81.1239,
84.9971

■ 23.8194, 20.9483,
76.1876

■ 88.8890, 94.1521,
86.8878

■ 20.5681, 16.6278,
75.5250

■ 91.0037, 98.3815,
87.5927

■ 18.1833, 13.1999,
74.9890

■ 16.5539, 10.5829,
74.5698

■ 16.1863, 9.9666,
74.4702

Harmonies

Analogous

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



42.8491, 48.4064, 78.0733



47.0784, 48.4064, 80.2608



51.2709, 48.4064, 74.1895

Triad

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



47.0784, 48.4064, 80.2608



53.0003, 48.4064, 39.4710



38.7074, 48.4064, 43.9740

Complementary

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



47.0784, 48.4064, 80.2608



61.6788, 64.8482, 45.3438

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.



41.1197, 48.4064, 35.8310



47.0784, 48.4064, 80.2608



49.3202, 48.4064, 33.5319

Square

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



47.0784, 48.4064, 80.2608



54.8272, 48.4064, 49.7247



44.9556, 48.4064, 32.3131



38.1906, 48.4064, 55.8049

Rectangle

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



47.0784, 48.4064, 80.2608



53.4215, 48.4064, 66.7647



44.9556, 48.4064, 32.3131



39.3157, 48.4064, 40.7745

Sweetspot

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



47.0799, 48.4083, 80.2619



83.5906, 87.6373, 107.1177



54.9006, 68.1669, 70.1762



17.4570, 18.2856, 22.8593



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.



47.0799, 48.4083, 80.2619



54.6966, 55.6305, 102.4627



45.8560, 42.2654, 79.1407



13.9413, 14.6040, 18.2284



9.4385, 5.9391, 43.0321



0.7774, 0.5987, 3.2066

Inverse Universe

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



54.3893, 47.2705, 52.1586



65.8115, 54.3439, 59.6283



63.1336, 72.9364, 46.8283



14.5579, 14.4404, 15.8726



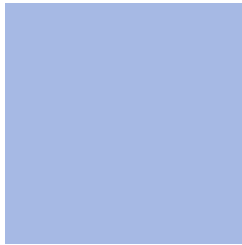
19.1576, 9.7973, 4.4590



1.4560, 0.7401, 0.5420

Previews

White Background



This preview shows how the XYZ color 47.0784, 48.4064, 80.2608 looks on a white background.

Color Contrast Check

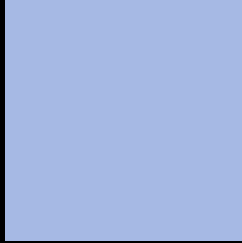
Large Text (above 18pt) WCAG AA × Fail

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 47.0784, 48.4064, 80.2608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

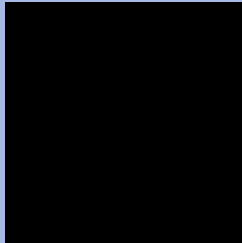
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0784, 48.4064, 80.2608

Background



This preview shows how black text looks on a background with the XYZ color 47.0784, 48.4064, 80.2608.



This preview shows how white text looks on a background with the XYZ color 47.0784, 48.4064,

80.2608.

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

47.0784, 48.4064, 80.2608

Protanopia

48.3401, 48.4719, 78.7597

Deuteranopia

49.4891, 48.4082, 80.8641



Tritanopia

43.7946, 48.3319, 64.1475

Trichromacy



Original Color

47.0784, 48.4064, 80.2608

Protanomaly

48.0189, 48.5977, 79.5225

Deuteranomaly

48.5500, 48.2270, 80.8786

Tritanomaly

45.0977, 48.5571, 69.9463

Monochromacy



Original Color

47.0784, 48.4064, 80.2608

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.6973, 47.7982, 61.4611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0784, 48.4064, 80.2608 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(166, 185, 228)` looks like.

```
.text, #text, p{  
    color:rgb(166, 185, 228)  
}
```

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(166, 185, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 185, 228) }
```

Border

The CSS property to change the border of an element to XYZ 47.0784, 48.4064, 80.2608 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(166, 185, 228) }
```


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

```
.border{ border-color:rgb(166, 185, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 185, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 185, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 185, 228);  
box-shadow:4px 4px 4px 4px rgb(166, 185,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0784, 48.4064, 80.2608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 185, 228) }
```

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

```
.background{ background-color: rgb(166,  
185, 228) }
```

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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