

Converting Colors

XYZ(48.8960, 47.7747, 83.0263)

Have a look what the booklet for
XYZ(48.8960, 47.7747, 83.0263)
contains.

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Color

**XYZ(48.7912, 47.6988,
82.9791)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B4E8
RGB	176, 180, 232
RGB Percent	69%, 71%, 91%
CMY	0.3098, 0.2941, 0.0902
CMYK	0.24, 0.22, 0.00, 0.09
HSL	236°, 55%, 80%
HSV	236°, 24%, 91%
XYZ	48.7912, 47.6988, 82.9791
YIQ	184.7320, -19.0760, 15.3240

Conversions

Conversions Part 2

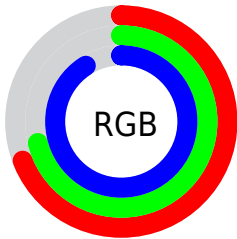
Format	Color
R _Y B	176, 180, 232
Decimal	11580648
CIE Lab	74.63, 9.68, -26.42
CIE LCh	75, 28.135, 290.128
Yxy	47.6988, 0.2719, 0.2658
Android (android.graphics.Color)	4289770728 (0xFFB0B4E8)
YUV	184.7320, 23.3031, -7.6580
Hunter-Lab	69.0643, 5.2406, -22.8905

Details

The XYZ color **48.7912, 47.6988, 82.9791** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.8591, 75.7774, 52.0729**, and the grayscale version is **45.8488, 48.2365, 52.5295**.

A 20% lighter version of the original color is **81.3242, 84.3667, 106.6059**, and **23.4519, 22.4509, 44.1717** is the 20% darker color. If you saturate the color by 10%, you get **39.9710, 37.1908, 81.4165**, and if you desaturate by 10%, it is **59.1868, 60.0245, 84.8111**.

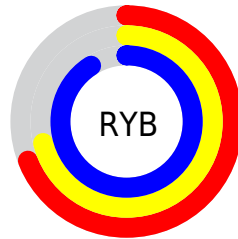
Distribution



Red (69%)

Green (71%)

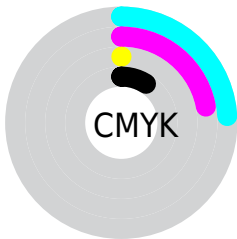
Blue (91%)



Red (69%)

Yellow (71%)

Blue (91%)

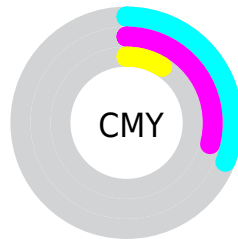


Cyan (24%)

Magenta (22%)

Yellow (0%)

Black (9%)



Cyan (31%)

Magenta (29%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7912, 47.6988, 82.9791 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 48.7912, 47.6988, 82.9791 by changing the saturation by 10% instead.

■ 48.7912, 47.6988,
82.9791

■ 48.7912, 47.6988,
82.9791

372.4503,
377.5970, 524.8860

■ 34.6677, 33.5884,
61.6324

■ 87.5839, 86.7558,
139.3952

■ 23.5723, 22.5776,
44.3019

112.9837,
112.4712, 175.3016

■ 15.1397, 14.2819,
30.5690

142.8731,
142.8237, 216.8984

■ 9.0044, 8.3170,
20.0151

177.6174,
178.1977, 264.6040

■ 4.8012, 4.2985,
12.2219

217.5819,
218.9777, 318.8371

■ 2.1647, 1.8419,
6.7706

263.1320,

■ 0.7240, 0.5131,

265.5480, 380.0160

3.2428

314.6330,
318.2929, 448.5595

■ 0.0000, 0.0000,
1.2199

■ 0.0000, 0.0000,
0.0000

■ 48.7912, 47.6988,
82.9791

■ 48.7912, 47.6988,
82.9791

■ 39.9710, 37.1908,
81.4165

■ 59.1868, 60.0245,
84.8111

■ 32.6448, 28.4090,
80.1076

■ 71.2247, 74.2422,
86.9209

■ 26.7312, 21.2627,
79.0399

■ 84.9734, 90.4291,
89.3207

■ 22.1388, 15.6504,
78.1987

■ 91.5656, 98.6063,
90.5516

■ 18.7655, 11.4595,
77.5675

■ 16.4944, 8.5617,
77.1279

■ 15.1851, 6.8054,
76.8579

■ 14.7596, 6.2142,
76.7662

Harmonies

Analogous

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



43.6775, 47.6988, 84.7656



48.7912, 47.6988, 82.9791



53.2771, 47.6988, 72.0756

Triad

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



48.7912, 47.6988, 82.9791



51.9102, 47.6988, 33.2440



36.3546, 47.6988, 47.2732

Complementary

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



48.7912, 47.6988, 82.9791



68.8591, 75.7774, 52.0729

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.



38.2265, 47.6988, 35.9478



48.7912, 47.6988, 82.9791



47.0365, 47.6988, 28.9110

Square

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



48.7912, 47.6988, 82.9791



55.1692, 47.6988, 42.8682



42.0484, 47.6988, 29.7982



36.7472, 47.6988, 62.1998

Rectangle

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



48.7912, 47.6988, 82.9791



55.1863, 47.6988, 62.0672



42.0484, 47.6988, 29.7982



36.7342, 47.6988, 42.9718

Sweetspot

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



48.7927, 47.7007, 82.9802



83.7237, 86.6474, 106.9197



60.6733, 72.5087, 83.7131



17.7218, 18.3118, 22.8504



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.



48.7927, 47.7007, 82.9802



54.7471, 52.3085, 101.8188



53.7337, 49.0660, 82.9833



13.6651, 14.0517, 18.1363



8.2270, 3.5161, 42.6282



0.6371, 0.3181, 3.1598

Inverse Universe

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



57.0435, 51.5031, 50.1166



66.6725, 57.8875, 54.3001



62.8944, 74.3555, 52.1128



14.4186, 14.3846, 15.1386



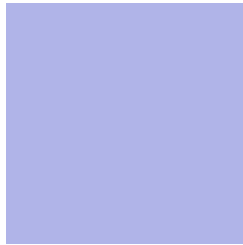
18.5461, 9.5527, 1.2389



1.3852, 0.7118, 0.1690

Previews

White Background



This preview shows how the XYZ color 48.7912, 47.6988, 82.9791 looks on a white background.

Color Contrast Check

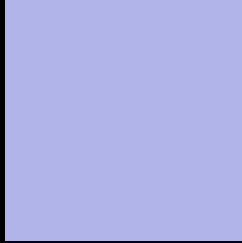
Large Text (above 18pt) WCAG AA × Fail

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 48.7912, 47.6988, 82.9791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

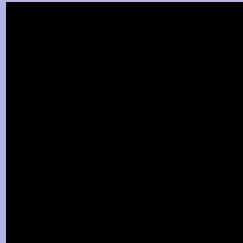
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7912, 47.6988, 82.9791

Background



This preview shows how black text looks on a background with the XYZ color 48.7912, 47.6988, 82.9791.



This preview shows how white text looks on a background with the XYZ color 48.7912, 47.6988,

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

48.7912, 47.6988, 82.9791

Protanopia

48.0135, 47.8851, 83.8030

Deuteranopia

48.7912, 47.6988, 82.9791



Tritanopia

44.5618, 47.8340, 61.5278

Trichromacy



Original Color

48.7912, 47.6988, 82.9791

Protanomaly

48.2451, 47.7016, 83.7553

Deuteranomaly

48.7912, 47.6988, 82.9791

Tritanomaly

46.0374, 47.8051, 69.0882

Monochromacy



Original Color

48.7912, 47.6988, 82.9791

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.8856, 48.0763, 62.6856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7912, 47.6988, 82.9791 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(176, 180, 232)` looks like.

```
.text, #text, p{  
    color:rgb(176, 180, 232)  
}
```

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(176, 180, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 180, 232) }
```

Border

The CSS property to change the border of an element to XYZ 48.7912, 47.6988, 82.9791 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(176, 180, 232) }
```


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

```
.border{ border-color:rgb(176, 180, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 180, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 180, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 180, 232);  
box-shadow:4px 4px 4px 4px rgb(176, 180,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7912, 47.6988, 82.9791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 180, 232) }
```

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

```
.background{ background-color: rgb(176,  
180, 232) }
```

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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