

Converting Colors

XYZ(48.8475, 41.9915, 89.5350)

Have a look what the booklet for
XYZ(48.8475, 41.9915, 89.5350)
contains.

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Color

**XYZ(48.8475, 41.9915,
89.5350)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BAA0F2 |
| RGB | 186, 160, 242 |
| RGB Percent | 73%, 63%, 95% |
| CMY | 0.2706, 0.3725, 0.0510 |
| CMYK | 0.23, 0.34, 0.00, 0.05 |
| HSL | 259°, 76%, 79% |
| HSV | 259°, 34%, 95% |
| XYZ | 48.8475, 41.9915, 89.5350 |
| YIQ | 177.1220, -10.8260, 31.0140 |

Conversions

Conversions Part 2

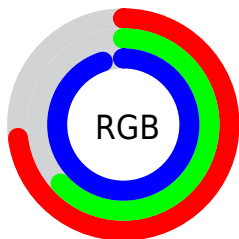
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 186, 160, 242 |
| Decimal | 12230898 |
| CIE Lab | 70.87, 26.08, -37.61 |
| CIE LCh | 71, 45.766, 304.745 |
| Yxy | 41.9915, 0.2708, 0.2328 |
| Android (android.graphics.Color) | 4290420978 (0xFFBAA0F2) |
| YUV | 177.1220, 31.9849, 7.7860 |
| Hunter-Lab | 64.8008, 21.1535, -36.5601 |

Details

The XYZ color **48.8475, 41.9915, 89.5350** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.4173, 80.6422, 45.3243**, and the grayscale version is **41.6966, 43.8680, 47.7723**.

A 20% lighter version of the original color is **79.3126, 74.8756, 104.8799**, and **23.5856, 19.0956, 48.8971** is the 20% darker color. If you saturate the color by 10%, you get **41.2681, 32.4516, 88.0938**, and if you desaturate by 10%, it is **57.7107, 53.4071, 91.2720**.

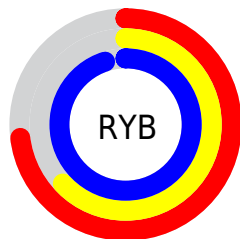
Distribution



Red (73%)

Green (63%)

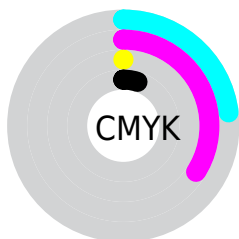
Blue (95%)



Red (73%)

Yellow (63%)

Blue (95%)

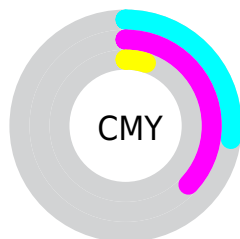


Cyan (23%)

Magenta (34%)

Yellow (0%)

Black (5%)



Cyan (27%)

Magenta (37%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8475, 41.9915, 89.5350 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 48.8475, 41.9915, 89.5350 by changing the saturation by 10% instead.


 48.8475, 41.9915,
89.5350


 48.8475, 41.9915,
89.5350


372.6686,
354.4477, 547.0481

 34.7126, 29.0946,
67.0235


 87.6670, 78.1868,
148.6222

 23.6070, 19.1524,
48.6420


 113.0823,
102.2539, 186.0350

 15.1655, 11.7805,
33.9720

142.9884,
130.8134, 229.2519

 9.0227, 6.5944,
22.5949

177.7506,
164.2494, 278.6916

 4.8132, 3.2097,
14.0922

217.7344,
202.9465, 334.7725

 2.1717, 1.2422,
8.0453

263.3051,

 0.7278, 0.0958,

247.2889, 397.9132

4.0358

314.8280,
297.6612, 468.5322

■ 0.0000, 0.0000,
1.6450

■ 0.0000, 0.0000,
0.3226

■ 48.8475, 41.9915,
89.5350

■ 48.8475, 41.9915,
89.5350

■ 41.2681, 32.4516,
88.0938

■ 57.7107, 53.4071,
91.2720

■ 34.9049, 24.6792,
86.9290

■ 67.9120, 66.7886,
93.3172

■ 29.6901, 18.5624,
86.0231

■ 79.5079, 82.2263,
95.6858

■ 25.5471, 13.9740,
85.3559

■ 91.9720, 98.6469,
98.1984

■ 22.3886, 10.7675,
84.9034

■ 93.0271, 99.1909,
98.2478

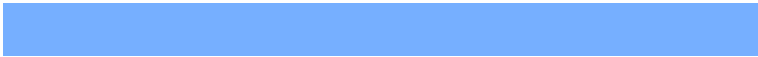
■ 20.1109, 8.7656,
84.6370

■ 19.0661, 7.9775,
84.5400

Harmonies

Analogous

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



41.1347, 41.9915, 101.5054



48.8475, 41.9915, 89.5350



54.6656, 41.9915, 66.0372

Triad

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



48.8475, 41.9915, 89.5350



46.4871, 41.9915, 17.3245



27.0308, 41.9915, 49.2775

Complementary

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



48.8475, 41.9915, 89.5350



66.4173, 80.6422, 45.3243

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.



28.0843, 41.9915, 30.0689



48.8475, 41.9915, 89.5350



38.7131, 41.9915, 15.3796

Square

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



48.8475, 41.9915, 89.5350



53.1859, 41.9915, 25.7518



32.1380, 41.9915, 19.2044



29.0531, 41.9915, 74.0124

Rectangle

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



48.8475, 41.9915, 89.5350



56.3317, 41.9915, 49.6688



32.1380, 41.9915, 19.2044



27.0396, 41.9915, 41.9893

Sweetspot

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



48.8490, 41.9932, 89.5360



81.3287, 81.6412, 106.0796



55.0899, 63.0145, 93.2646



17.0227, 16.9634, 22.6270



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.



48.8490, 41.9932, 89.5360



48.6998, 39.3176, 99.6300



60.2670, 47.8794, 90.0703



15.3690, 15.4719, 19.8980



10.3673, 4.3499, 45.4211



0.9618, 0.4131, 3.7833

Inverse Universe

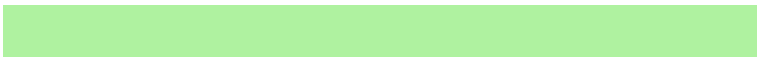
The Inverse Universe completely reimagines the original color for something new.



61.5846, 48.9782, 71.1748



65.3830, 48.4825, 74.9138



55.7852, 75.1611, 44.8267



16.2286, 15.9411, 18.7598



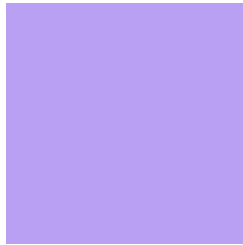
23.3978, 11.6316, 20.5432



1.9914, 0.9856, 1.9455

Previews

White Background



This preview shows how the XYZ color 48.8475, 41.9915, 89.5350 looks on a white background.

Color Contrast Check

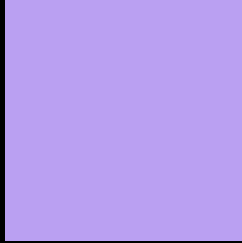
Large Text (above 18pt) WCAG AA × Fail

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 48.8475, 41.9915, 89.5350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

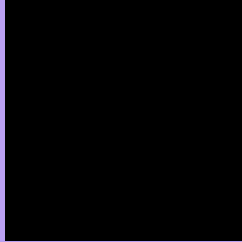
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8475, 41.9915, 89.5350

Background



This preview shows how black text looks on a background with the XYZ color 48.8475, 41.9915, 89.5350.



This preview shows how white text looks on a background with the XYZ color 48.8475, 41.9915,

89.5350.

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

48.8475, 41.9915, 89.5350

Protanopia

44.1882, 42.3868, 97.1193

Deuteranopia

43.2400, 42.0925, 88.2837



Tritanopia

41.2244, 41.8587, 51.8057

Trichromacy



Original Color

48.8475, 41.9915, 89.5350

Protanomaly

45.6623, 42.0961, 94.5256

Deuteranomaly

45.0057, 41.8808, 88.9308

Tritanomaly

43.7817, 41.7970, 64.1526

Monochromacy



Original Color

48.8475, 41.9915, 89.5350

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.9279, 43.0462, 61.2518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8475, 41.9915, 89.5350 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(186, 160, 242)` looks like.

```
.text, #text, p{  
    color:rgb(186, 160, 242)  
}
```

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(186, 160, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 160, 242) }
```

Border

The CSS property to change the border of an element to XYZ 48.8475, 41.9915, 89.5350 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(186, 160, 242) }
```


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

```
.border{ border-color:rgb(186, 160, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 160, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 160, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 160, 242);  
box-shadow:4px 4px 4px 4px rgb(186, 160,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8475, 41.9915, 89.5350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 160, 242) }
```

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

```
.background{ background-color: rgb(186,  
160, 242) }
```

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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