

Converting Colors

XYZ(48.2290, 30.2690, 88.0958)

Have a look what the booklet for
XYZ(48.2290, 30.2690, 88.0958)
contains.

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Color

**XYZ(48.2794, 30.3687,
88.1112)**

Conversions

Conversions Part 1

Format	Color
Hex	D468F3
RGB	212, 104, 243
RGB Percent	83%, 41%, 95%
CMY	0.1686, 0.5921, 0.0471
CMYK	0.13, 0.57, 0.00, 0.05
HSL	287°, 85%, 68%
HSV	287°, 57%, 95%
XYZ	48.2794, 30.3687, 88.1112
YIQ	152.1380, 19.7490, 66.1250

Conversions

Conversions Part 2

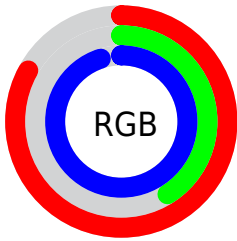
Format	Color
R _Y B	212, 104, 243
Decimal	13920499
CIE Lab	61.97, 62.86, -51.94
CIE LCh	62, 81.544, 320.433
Yxy	30.3687, 0.2895, 0.1821
Android (android.graphics.Color)	4292110579 (0xFFD468F3)
YUV	152.1380, 44.7950, 52.4990
Hunter-Lab	55.1078, 59.9434, -56.2226

Details

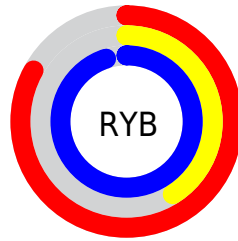
The XYZ color **48.2794, 30.3687, 88.1112** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **44.5417, 70.2522, 24.3102**, and the grayscale version is **29.7124, 31.2598, 34.0419**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **23.2059, 12.4482, 47.6340** is the 20% darker color. If you saturate the color by 10%, you get **44.6406, 25.3706, 87.3387**, and if you desaturate by 10%, it is **52.6775, 36.8053, 89.1223**.

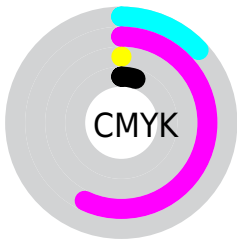
Distribution



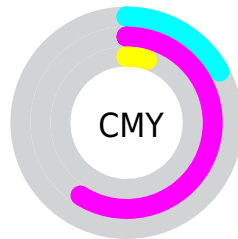
- Red (83%)
- Green (41%)
- Blue (95%)



- Red (83%)
- Yellow (41%)
- Blue (95%)



- Cyan (13%)
- Magenta (57%)
- Yellow (0%)
- Black (5%)





- Cyan (17%)
- Magenta (59%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2794, 30.3687, 88.1112 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 48.2794, 30.3687, 88.1112 by changing the saturation by 10% instead.


 48.2794, 30.3687,
88.1112

 48.2794, 30.3687,
88.1112


370.4627,
303.6193, 542.2781

 34.2604, 20.1186,
65.8503


 86.8274, 60.2448,
146.6245


 23.2575, 12.4813,
47.6952


 112.0872, 80.6395,
183.7139

 14.9055, 7.0723,
33.2273


 141.8245,
105.1847, 226.5833

 8.8390, 3.5074,
22.0281

 176.4048,
134.2645, 275.6511

 4.6926, 1.4020,
13.6790

216.1934,
168.2635, 331.3360

 2.1009, 0.2182,
7.7616

261.5557,

 0.6897, 0.0000,

207.5660, 394.0564

3.8572

312.8570,
252.5565, 464.2309

■ 0.0000, 0.0000,
1.5473

■ 0.0000, 0.0000,
0.2528

■ 48.2794, 30.3687,
88.1112

■ 48.2794, 30.3687,
88.1112

■ 44.6406, 25.3706,
87.3387

■ 52.6775, 36.8053,
89.1223

■ 41.6947, 21.6823,
86.7821

■ 57.8868, 44.7869,
90.3883

■ 39.3691, 19.1581,
86.4174

■ 63.9585, 54.4142,
91.9265

■ 37.5682, 17.6079,
86.2131

■ 70.9386, 65.7780,
93.7521

37.1165, 17.2654,
86.1708

78.8695, 78.9626,
95.8790

87.7909, 94.0468,
98.3203

91.3396, 98.3035,
98.9549

93.1778, 99.2511,
99.0409

Harmonies

Analogous

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



36.8385, 30.3687, 127.5759



48.2794, 30.3687, 88.1112



54.9351, 30.3687, 44.1088

Triad

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



48.2794, 30.3687, 88.1112



32.4991, 30.3687, 2.1458



13.3133, 30.3687, 58.8361

Complementary

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



48.2794, 30.3687, 88.1112



44.5417, 70.2522, 24.3102

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.



12.7080, 30.3687, 24.0402



48.2794, 30.3687, 88.1112



22.1333, 30.3687, 2.6582

Square

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



48.2794, 30.3687, 88.1112



44.4226, 30.3687, 4.9899



15.5085, 30.3687, 7.6399



17.4432, 30.3687, 104.5230

Rectangle

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



48.2794, 30.3687, 88.1112



54.8504, 30.3687, 23.3229



15.5085, 30.3687, 7.6399



12.7400, 30.3687, 45.2037

Sweetspot

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



48.2806, 30.3700, 88.1119



79.2783, 73.6045, 104.6364



30.7529, 27.1460, 88.4134



16.6144, 15.1721, 22.3028



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.



48.2806, 30.3700, 88.1119



49.0978, 27.3817, 97.3052



53.0458, 33.4093, 62.0039



16.8310, 16.5710, 20.8540



20.4919, 9.5383, 47.2991



1.8878, 0.8831, 4.1612

Inverse Universe

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



46.2864, 30.7056, 26.4097



47.3268, 28.1741, 20.1736



42.5731, 68.9700, 36.2953



16.6504, 16.5430, 17.9058



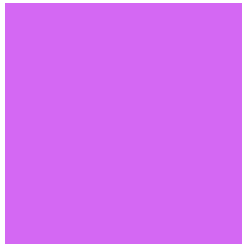
20.6954, 10.6216, 3.1046



1.8561, 0.9484, 0.4687

Previews

White Background



This preview shows how the XYZ color 48.2794, 30.3687, 88.1112 looks on a white background.

Color Contrast Check

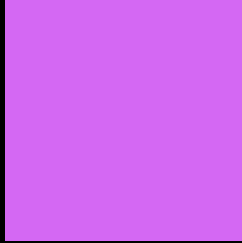
Large Text (above 18pt) WCAG AA × Fail

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 48.2794, 30.3687, 88.1112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

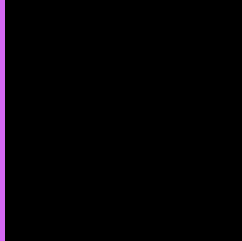
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2794, 30.3687, 88.1112

Background



This preview shows how black text looks on a background with the XYZ color 48.2794, 30.3687, 88.1112.



This preview shows how white text looks on a background with the XYZ color 48.2794, 30.3687,

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

48.2794, 30.3687, 88.1112

Protanopia

33.9632, 30.9122, 98.7843

Deuteranopia

31.7274, 30.8141, 82.8728



Tritanopia

36.2127, 30.1615, 29.1124

Trichromacy



Original Color

48.2794, 30.3687, 88.1112



Protanomaly

36.6842, 28.9484, 94.9209



Deuteranomaly

35.3217, 28.8774, 84.6012



Tritanomaly

39.5019, 29.5856, 45.7481

Monochromacy



Original Color

48.2794, 30.3687, 88.1112



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

34.8765, 29.8294, 49.8184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2794, 30.3687, 88.1112 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(212, 104, 243)` looks like.

```
.text, #text, p{  
    color:rgb(212, 104, 243)  
}
```

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(212, 104, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 104, 243) }
```

Border

The CSS property to change the border of an element to XYZ 48.2794, 30.3687, 88.1112 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(212, 104, 243) }
```


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

```
.border{ border-color:rgb(212, 104, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 104, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 104, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 104, 243);  
box-shadow:4px 4px 4px 4px rgb(212, 104,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2794, 30.3687, 88.1112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 104, 243) }
```

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

```
.background{ background-color: rgb(212,  
104, 243) }
```

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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