

Converting Colors

XYZ(48.7570, 30.1034, 97.8485)

Have a look what the booklet for
XYZ(48.7570, 30.1034, 97.8485)
contains.

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Color

**XYZ(48.8138, 30.1326,
97.8512)**

Conversions

Conversions Part 1

Format	Color
Hex	D066FF
RGB	208, 102, 255
RGB Percent	82%, 40%, 100%
CMY	0.1843, 0.6000, 0.0000
CMYK	0.18, 0.60, 0.00, 0.00
HSL	282°, 100%, 70%
HSV	282°, 60%, 100%
XYZ	48.8138, 30.1326, 97.8512
YIQ	151.1360, 14.0630, 70.0550

Conversions

Conversions Part 2

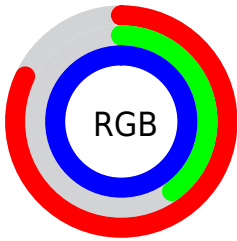
Format	Color
R _Y B	208, 102, 255
Decimal	13657855
CIE Lab	61.77, 65.20, -58.92
CIE LCh	62, 87.879, 317.897
Yxy	30.1326, 0.2761, 0.1704
Android (android.graphics.Color)	4291847935 (0xFFD066FF)
YUV	151.1360, 51.2050, 49.8697
Hunter-Lab	54.8932, 62.6682, -67.2637

Details

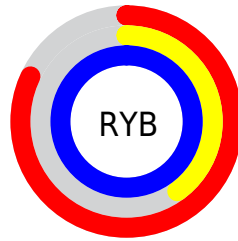
The XYZ color **48.8138, 30.1326, 97.8512** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **50.5531, 78.8690, 25.1302**, and the grayscale version is **29.2583, 30.7820, 33.5216**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **23.5564, 12.3166, 53.9591** is the 20% darker color. If you saturate the color by 10%, you get **44.5340, 24.7613, 97.0399**, and if you desaturate by 10%, it is **53.9750, 37.1031, 98.9246**.

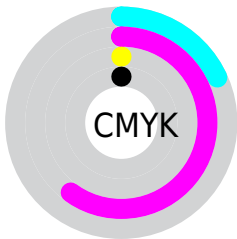
Distribution



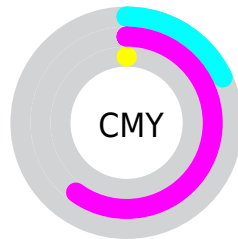
- Red (82%)
- Green (40%)
- Blue (100%)



- Red (82%)
- Yellow (40%)
- Blue (100%)



- Cyan (18%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8138, 30.1326, 97.8512 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 48.8138, 30.1326, 97.8512 by changing the saturation by 10% instead.

 48.8138, 30.1326,
97.8512


 48.8138, 30.1326,
97.8512


372.5380,
302.5220, 574.4689


 34.6857, 19.9393,
73.9004


 87.6172, 59.8718,
160.2271


 23.5863, 12.3509,
54.2162


 113.0233, 80.1865,
199.4893

 15.1501, 6.9831,
38.3802


 142.9194,
104.6437, 244.6923

 9.0118, 3.4515,
25.9738

 177.6709,
133.6279, 296.2547

 4.8060, 1.3718,
16.5784

217.6431,
167.5234, 354.5950

 2.1675, 0.1958,
9.7756

263.2015,

 0.7255, 0.0000,

206.7147, 420.1318

5.1468

314.7113,
251.5861, 493.2836

■ 0.0000, 0.0000,
2.2734

■ 0.0000, 0.0000,
0.7163

■ 48.8138, 30.1326,
97.8512

■ 48.8138, 30.1326,
97.8512

■ 44.5340, 24.7613,
97.0399

■ 53.9750, 37.1031,
98.9246

■ 41.0575, 20.8384,
96.4660

■ 60.0798, 45.7981,
100.2811

■ 38.2965, 18.1896,
96.1002

■ 67.1881, 56.3342,
101.9401

■ 36.1065, 16.5285,
95.8950

■ 75.3536, 68.8166,
103.9191

■ 36.1062, 16.5283,
95.8950

■ 84.6260, 83.3425,
106.2342

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



36.1348, 30.1326, 140.4452



48.8138, 30.1326, 97.8512



56.7925, 30.1326, 48.2791

Triad

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



48.8138, 30.1326, 97.8512



33.6274, 30.1326, 1.5201



12.1079, 30.1326, 56.8944

Complementary

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



48.8138, 30.1326, 97.8512



50.5531, 78.8690, 25.1302

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.



11.7790, 30.1326, 21.0569



48.8138, 30.1326, 97.8512



22.2608, 30.1326, 1.7484

Square

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



48.8138, 30.1326, 97.8512



46.5525, 30.1326, 4.4484



14.9678, 30.1326, 5.7795



16.0368, 30.1326, 107.7186

Rectangle

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



48.8138, 30.1326, 97.8512



57.2468, 30.1326, 24.7203



14.9678, 30.1326, 5.7795



11.6209, 30.1326, 42.4944

Sweetspot

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



48.8149, 30.1338, 97.8513



77.1167, 71.5533, 104.3544



34.5086, 32.0024, 98.9660



15.9598, 14.4683, 22.2014



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.



48.8149, 30.1338, 97.8513



43.7764, 23.8652, 96.9069



59.8501, 36.3068, 76.4908



18.2178, 18.0040, 22.7649



19.0259, 8.7187, 50.1147



1.9642, 0.9065, 4.8847

Inverse Universe

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



51.4166, 32.9334, 32.0810



47.4018, 27.3707, 23.1372



45.2727, 75.9581, 33.4130



18.2391, 18.0790, 19.8762



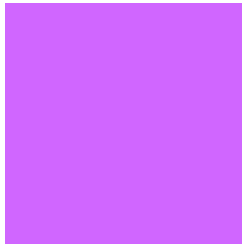
22.3317, 11.4220, 5.1311



2.2207, 1.1307, 0.7437

Previews

White Background



This preview shows how the XYZ color 48.8138, 30.1326, 97.8512 looks on a white background.

Color Contrast Check

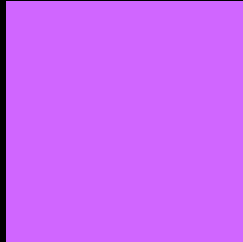
Large Text (above 18pt) WCAG AA × Fail

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 48.8138, 30.1326, 97.8512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

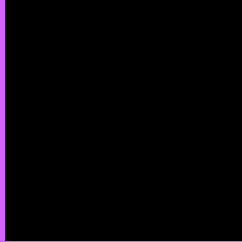
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8138, 30.1326, 97.8512

Background



This preview shows how black text looks on a background with the XYZ color 48.8138, 30.1326, 97.8512.

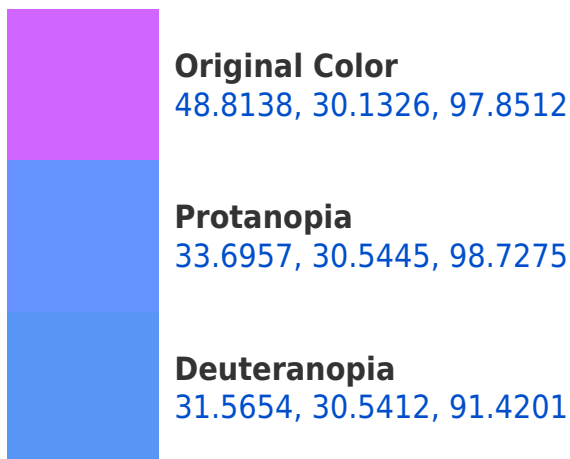


This preview shows how white text looks on a background with the XYZ color 48.8138, 30.1326,

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





Tritanopia

34.8313, 29.8346, 29.9094

Trichromacy



Original Color

48.8138, 30.1326, 97.8512



Protanomaly

36.8478, 28.7607, 98.2170



Deuteranomaly

35.0021, 28.5201, 93.2827



Tritanomaly

38.6372, 29.2501, 48.9568

Monochromacy



Original Color

48.8138, 30.1326, 97.8512



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

34.5861, 29.2198, 51.9612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8138, 30.1326, 97.8512 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(208, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 102, 255)  
}
```

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(208, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.8138, 30.1326, 97.8512 is called "border". The border property can be set on classes, ids or directly on the HTML element.

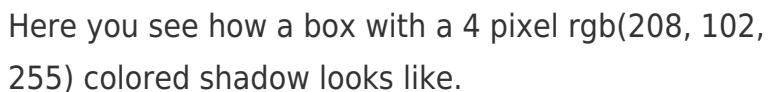
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(208, 102, 255) }
```


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

```
.border{ border-color:rgb(208, 102, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(208, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8138, 30.1326, 97.8512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 102, 255) }
```

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

```
.background{ background-color: rgb(208,  
102, 255) }
```

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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