

Converting Colors

XYZ(46.9744, 28.4631, 97.6258)

Have a look what the booklet for
XYZ(46.9744, 28.4631, 97.6258)
contains.

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Color

**XYZ(46.9533, 28.4659,
97.6275)**

Conversions

Conversions Part 1

Format	Color
Hex	CB61FF
RGB	203, 97, 255
RGB Percent	80%, 38%, 100%
CMY	0.2039, 0.6196, 0.0000
CMYK	0.20, 0.62, 0.00, 0.00
HSL	280°, 100%, 69%
HSV	280°, 62%, 100%
XYZ	46.9533, 28.4659, 97.6275
YIQ	146.7060, 12.4580, 71.6100

Conversions

Conversions Part 2

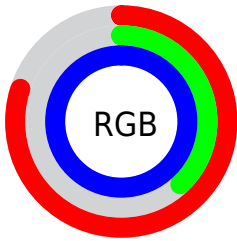
Format	Color
R _{YB}	203, 97, 255
Decimal	13328895
CIE Lab	60.31, 66.35, -61.29
CIE LCh	60, 90.324, 317.267
Yxy	28.4659, 0.2713, 0.1645
Android (android.graphics.Color)	4291518975 (0xFFCB61FF)
YUV	146.7060, 53.3889, 49.3698
Hunter-Lab	53.3534, 63.7191, -71.1430

Details

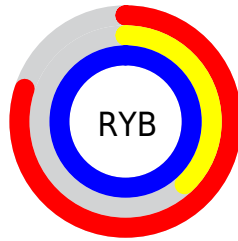
The XYZ color **46.9533, 28.4659, 97.6275** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **50.3125, 78.7728, 23.8631**, and the grayscale version is **27.3963, 28.8231, 31.3883**.

A 20% lighter version of the original color is **70.6812, 51.2625, 100.7771**, and **22.4482, 11.4372, 53.8478** is the 20% darker color. If you saturate the color by 10%, you get **42.7406, 23.3411, 96.8604**, and if you desaturate by 10%, it is **52.0488, 35.1704, 98.6530**.

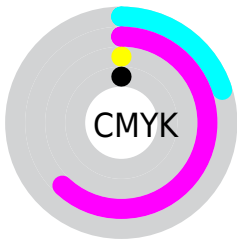
Distribution



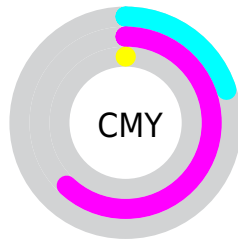
- Red (80%)
- Green (38%)
- Blue (100%)



- Red (80%)
- Yellow (38%)
- Blue (100%)



- Cyan (20%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9533, 28.4659, 97.6275 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 46.9533, 28.4659, 97.6275 by changing the saturation by 10% instead.


 46.9533, 28.4659,
97.6275

 46.9533, 28.4659,
97.6275


365.2801,
294.6865, 573.7407

 33.2065, 18.6772,
73.7148


 84.8631, 57.2274,
159.9163


 22.4447, 11.4372,
54.0653


 109.7568, 76.9690,
199.1295

 14.3025, 6.3617,
38.2603


 139.0969,
100.7969, 244.2801

 8.4144, 3.0663,
25.8814

 173.2487,
129.0957, 295.7864

 4.4153, 1.1664,
16.5100

212.5775,
162.2496, 354.0671

 1.9397, 0.0340,
9.7275

257.4488,

 0.5997, 0.0000,

200.6432, 419.5407

5.1154

308.2279,
244.6606, 492.6257

■ 0.0000, 0.0000,
2.2552

■ 0.0000, 0.0000,
0.7060

■ 46.9533, 28.4659,
97.6275

■ 46.9533, 28.4659,
97.6275

■ 42.7406, 23.3411,
96.8604

■ 52.0488, 35.1704,
98.6530

■ 39.3300, 19.6408,
96.3259


■ 58.0913, 43.5834,
99.9584


■ 36.6294, 17.1827,
95.9938

■ 65.1422, 53.8240,
101.5635

■ 34.8617, 15.8867,
95.8368

■ 73.2564, 65.9994,
103.4859

 82.4847, 80.2084,
105.7421

 92.8744, 96.5431,
108.3474

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.



34.2264, 28.4659, 140.6532



46.9533, 28.4659, 97.6275



55.1417, 28.4659, 47.3006

Triad

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



46.9533, 28.4659, 97.6275



32.2721, 28.4659, 1.1173



10.8645, 28.4659, 54.0672

Complementary

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



46.9533, 28.4659, 97.6275



50.3125, 78.7728, 23.8631

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.



10.6179, 28.4659, 18.9464



46.9533, 28.4659, 97.6275



20.9643, 28.4659, 1.2661

Square

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



46.9533, 28.4659, 97.6275



45.1752, 28.4659, 3.7756



13.7638, 28.4659, 4.7231



14.5740, 28.4659, 105.5053

Rectangle

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



46.9533, 28.4659, 97.6275



55.7371, 28.4659, 23.6001



13.7638, 28.4659, 4.7231



10.4213, 28.4659, 39.7916

Sweetspot

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



46.9544, 28.4670, 97.6276



75.8691, 69.9882, 104.1181



33.8338, 31.4689, 98.8986



15.6982, 14.1545, 22.1547



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.



46.9544, 28.4670, 97.6276



41.9821, 22.4756, 96.7333



59.6115, 35.4487, 77.5858



18.1776, 17.9833, 22.7630



18.3801, 8.3858, 50.0845



1.9049, 0.8760, 4.8819

Inverse Universe

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



50.9399, 31.9800, 31.9221



47.1286, 26.7607, 23.2425



44.2864, 75.5001, 31.0884



18.2559, 18.0857, 19.9645



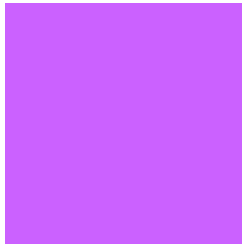
22.4443, 11.4670, 5.7244



2.2333, 1.1357, 0.8100

Previews

White Background



This preview shows how the XYZ color 46.9533, 28.4659, 97.6275 looks on a white background.

Color Contrast Check

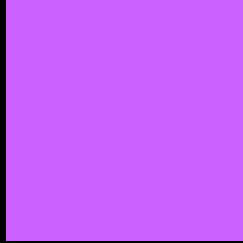
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.9533, 28.4659, 97.6275 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 × Fail

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

XYZ 46.9533, 28.4659, 97.6275

Background



This preview shows how black text looks on a background with the XYZ color 46.9533, 28.4659, 97.6275.



This preview shows how white text looks on a background with the XYZ color 46.9533, 28.4659,

97.6275.

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

46.9533, 28.4659, 97.6275

Protanopia

32.1366, 28.8413, 98.4809

Deuteranopia

29.9699, 29.0171, 91.2101



Tritanopia

32.7238, 28.1730, 28.5241

Trichromacy



Original Color

46.9533, 28.4659, 97.6275



Protanomaly

35.0266, 27.0472, 97.9823



Deuteranomaly

32.9752, 26.6776, 93.0339



Tritanomaly

36.6602, 27.5407, 47.6397

Monochromacy



Original Color

46.9533, 28.4659, 97.6275



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

32.6495, 27.4612, 50.0341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9533, 28.4659, 97.6275 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(203, 97, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 97, 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(203, 97, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 97, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.9533, 28.4659, 97.6275 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(203, 97, 255) }
```


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

```
.border{ border-color:rgb(203, 97, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 97, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 97, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 97, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 97,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9533, 28.4659, 97.6275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 97, 255) }
```

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

```
.background{ background-color: rgb(203, 97,  
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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