

Converting Colors

XYZ(46.5217, 28.9510, 97.7439)

Have a look what the booklet for
XYZ(46.5217, 28.9510, 97.7439)
contains.

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Color

**XYZ(46.6208, 29.0021,
97.7485)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | C866FF |
| RGB | 200, 102, 255 |
| RGB Percent | 78%, 40%, 100% |
| CMY | 0.2157, 0.6000, 0.0000 |
| CMYK | 0.22, 0.60, 0.00, 0.00 |
| HSL | 278°, 100%, 70% |
| HSV | 278°, 60%, 100% |
| XYZ | 46.6208, 29.0021, 97.7485 |
| YIQ | 148.7440, 9.2950, 68.3590 |

Conversions

Conversions Part 2

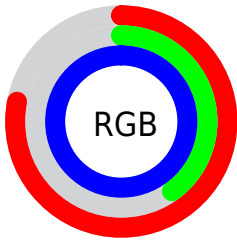
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 200, 102, 255 |
| Decimal | 13133567 |
| CIE Lab | 60.78, 63.36, -60.55 |
| CIE LCh | 61, 87.639, 316.298 |
| Yxy | 29.0021, 0.2689, 0.1673 |
| Android (android.graphics.Color) | 4291323647 (0xFFC866FF) |
| YUV | 148.7440, 52.3842, 44.9515 |
| Hunter-Lab | 53.8536, 60.2828, -69.9185 |

Details

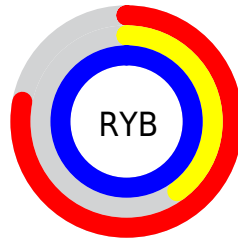
The XYZ color **46.6208, 29.0021, 97.7485** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **52.0632, 79.6475, 25.2008**, and the grayscale version is **28.2452, 29.7161, 32.3609**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **22.2104, 11.7360, 53.9180** is the 20% darker color. If you saturate the color by 10%, you get **42.1140, 23.5137, 96.9267**, and if you desaturate by 10%, it is **52.0470, 36.1092, 98.8343**.

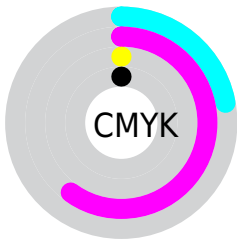
Distribution



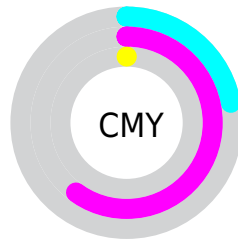
- Red (78%)
- Green (40%)
- Blue (100%)



- Red (78%)
- Yellow (40%)
- Blue (100%)



- Cyan (22%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6208, 29.0021, 97.7485 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 46.6208, 29.0021, 97.7485 by changing the saturation by 10% instead.


 46.6208, 29.0021,
97.7485


 46.6208, 29.0021,
97.7485


363.9731,
297.2249, 574.1347


 32.9427, 19.0824,
73.8152


 84.3695, 58.0804,
160.0844

 22.2416, 11.7298,
54.1469


 109.1708, 78.0078,
199.3241

 14.1521, 6.5600,
38.3252

 138.4105,
102.0400, 244.5031

 8.3089, 3.1885,
25.9314

 172.4541,
130.5612, 296.0397

 4.3467, 1.2309,
16.5470

211.6667,
163.9559, 354.3527

 1.9001, 0.0867,
9.7535

256.4139,

 0.5769, 0.0000,

202.6085, 419.8604

5.1324

307.0609,
246.9033, 492.9816

■ 0.0000, 0.0000,
2.2650

■ 0.0000, 0.0000,
0.7115

■ 46.6208, 29.0021,
97.7485

■ 46.6208, 29.0021,
97.7485

■ 42.1140, 23.5137,
96.9267

■ 52.0470, 36.1092,
98.8343

■ 38.4476, 19.4929,
96.3438

■ 58.4558, 44.9609,
100.2051

■ 35.5325, 16.7648,
95.9709

■ 65.9079, 55.6742,
101.8802

■ 33.2235, 15.0423,
95.7601

■ 74.4582, 68.3549,
103.8772

■ 33.2232, 15.0421,
95.7601

■ 84.1570, 83.1007,
106.2122

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.



34.1790, 29.0021, 138.1214



46.6208, 29.0021, 97.7485



54.7833, 29.0021, 48.8850

Triad

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



46.6208, 29.0021, 97.7485



33.0849, 29.0021, 1.4348



11.4368, 29.0021, 52.6503

Complementary

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



46.6208, 29.0021, 97.7485



52.0632, 79.6475, 25.2008

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.



11.2946, 29.0021, 18.9307



46.6208, 29.0021, 97.7485



21.8656, 29.0021, 1.5305

Square

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



46.6208, 29.0021, 97.7485



45.6321, 29.0021, 4.4764



14.5717, 29.0021, 5.0451



15.0352, 29.0021, 102.0780

Rectangle

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



46.6208, 29.0021, 97.7485



55.5632, 29.0021, 25.1861



14.5717, 29.0021, 5.0451



11.0258, 29.0021, 38.9698

Sweetspot

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



46.6219, 29.0032, 97.7487



76.3032, 71.1339, 104.3163



35.7742, 34.5336, 99.3879



15.7603, 14.3654, 22.1921



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.



46.6219, 29.0032, 97.7487



41.3155, 22.5966, 96.7918



60.9294, 36.7385, 82.1749



18.1222, 17.9547, 22.7604



17.5288, 7.9469, 50.0446



1.8262, 0.8353, 4.8783

Inverse Universe

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



52.0776, 33.1978, 35.5616



48.0627, 27.6351, 26.6178



44.7778, 75.7601, 30.8067



18.2791, 18.0950, 20.0871



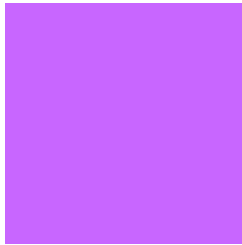
22.6152, 11.5354, 6.6239



2.2519, 1.1432, 0.9082

Previews

White Background



This preview shows how the XYZ color 46.6208, 29.0021, 97.7485 looks on a white background.

Color Contrast Check

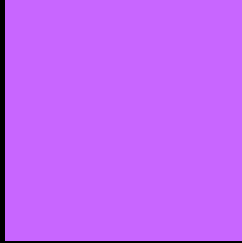
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.6208, 29.0021, 97.7485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

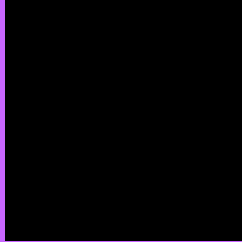
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.6208, 29.0021, 97.7485

Background



This preview shows how black text looks on a background with the XYZ color 46.6208, 29.0021, 97.7485.



This preview shows how white text looks on a background with the XYZ color 46.6208, 29.0021,

97.7485.

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

46.6208, 29.0021, 97.7485

Protanopia

32.5918, 29.2978, 98.5450

Deuteranopia

30.3663, 29.4533, 91.2734



Tritanopia

32.6369, 28.7033, 29.8067

Trichromacy



Original Color

46.6208, 29.0021, 97.7485



Protanomaly

35.4420, 27.6449, 98.0757



Deuteranomaly

33.2412, 27.2097, 93.1225



Tritanomaly

36.5975, 28.1986, 48.8614

Monochromacy



Original Color

46.6208, 29.0021, 97.7485



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

33.4768, 28.4582, 51.3055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6208, 29.0021, 97.7485 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(200, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.6208, 29.0021, 97.7485 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(200, 102, 255) }
```


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

```
.border{ border-color:rgb(200, 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(200, 102, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6208, 29.0021, 97.7485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 102, 255) }
```

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

```
.background{ background-color: rgb(200,  
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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