

Converting Colors

XYZ(46.7235, 27.2078, 97.3964)

Have a look what the booklet for
XYZ(46.7235, 27.2078, 97.3964)
contains.

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Color

**XYZ(46.7166, 27.1786,
97.3915)**

Conversions

Conversions Part 1

Format	Color
Hex	CD58FF
RGB	205, 88, 255
RGB Percent	80%, 35%, 100%
CMY	0.1961, 0.6549, 0.0000
CMYK	0.20, 0.65, 0.00, 0.00
HSL	282°, 100%, 67%
HSV	282°, 65%, 100%
XYZ	46.7166, 27.1786, 97.3915
YIQ	142.0210, 16.1250, 76.7410

Conversions

Conversions Part 2

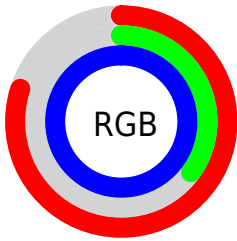
Format	Color
R _{YB}	205, 88, 255
Decimal	13457663
CIE Lab	59.14, 70.72, -63.15
CIE LCh	59, 94.808, 318.234
Yxy	27.1786, 0.2727, 0.1587
Android (android.graphics.Color)	4291647743 (0xFFCD58FF)
YUV	142.0210, 55.6986, 55.2326
Hunter-Lab	52.1331, 68.7214, -74.2684

Details

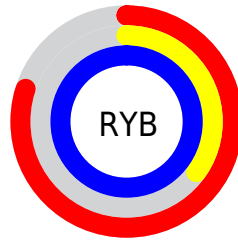
The XYZ color **46.7166, 27.1786, 97.3915** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **48.0030, 77.6280, 21.6871**, and the grayscale version is **25.5030, 26.8311, 29.2191**.

A 20% lighter version of the original color is **69.4154, 48.7308, 100.3551**, and **22.2190, 10.7160, 53.7207** is the 20% darker color. If you saturate the color by 10%, you get **42.9227, 22.6404, 96.7155**, and if you desaturate by 10%, it is **51.3470, 33.2350, 98.3165**.

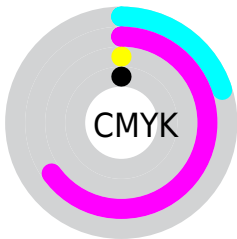
Distribution



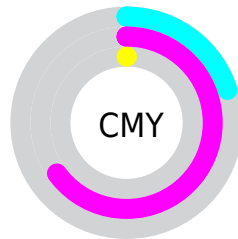
- Red (80%)
- Green (35%)
- Blue (100%)



- Red (80%)
- Yellow (35%)
- Blue (100%)



- Cyan (20%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7166, 27.1786, 97.3915 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 46.7166, 27.1786, 97.3915 by changing the saturation by 10% instead.


 46.7166, 27.1786,
97.3915


 46.7166, 27.1786,
97.3915


364.3500,
288.5208, 572.9719


 33.0187, 17.7074,
73.5192


 84.5118, 55.1703,
159.5883


 22.3001, 10.7401,
53.9062


 109.3397, 74.4597,
198.7499

 14.1954, 5.8924,
38.1340


 138.6084, 97.7905,
243.8450

 8.3393, 2.7797,
25.7841

 172.6831,
125.5472, 295.2921

 4.3664, 1.0179,
16.4379

211.9293,
158.1142, 353.5098

 1.9115, 0.0000,
9.6768

256.7123,

 0.5835, 0.0000,

195.8759, 418.9167

5.0824

307.3974,
239.2166, 491.9312

■ 0.0000, 0.0000,
2.2361

■ 0.0000, 0.0000,
0.6951

■ 46.7166, 27.1786,
97.3915

■ 46.7166, 27.1786,
97.3915

■ 42.9227, 22.6404,
96.7155

■ 51.3470, 33.2350,
98.3165

■ 39.8805, 19.4563,
96.2612

■ 56.8807, 40.9445,
99.5129

■ 37.4904, 17.4283,
95.9958

■ 63.3810, 50.4303,
101.0012

■ 36.5608, 16.7627,
95.9163

■ 70.9041, 61.8030,
102.7999

79.5016, 75.1638,
104.9256

89.2216, 90.6069,
107.3941

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.



33.6010, 27.1786, 144.1301



46.7166, 27.1786, 97.3915



55.0143, 27.1786, 44.9162

Triad

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



46.7166, 27.1786, 97.3915



30.7399, 27.1786, 0.6396



9.7213, 27.1786, 54.9331

Complementary

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



46.7166, 27.1786, 97.3915



48.0030, 77.6280, 21.6871

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.



9.3800, 27.1786, 18.2234



46.7166, 27.1786, 97.3915



19.3643, 27.1786, 0.8331

Square

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



46.7166, 27.1786, 97.3915



44.0809, 27.1786, 2.7719



12.3373, 27.1786, 3.9845



13.4766, 27.1786, 109.3175

Rectangle

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



46.7166, 27.1786, 97.3915



55.4171, 27.1786, 21.2289



12.3373, 27.1786, 3.9845



9.2570, 27.1786, 39.9075

Sweetspot

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



46.7177, 27.1796, 97.3916



75.4868, 68.8840, 103.9251



31.1781, 27.5014, 98.2728



15.6462, 13.9516, 22.1182



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.



46.7177, 27.1796, 97.3916



41.7734, 21.3772, 96.5322



57.8614, 33.4926, 72.2421



18.2321, 18.0114, 22.7656



19.2617, 8.8402, 50.1257



1.9858, 0.9176, 4.8857

Inverse Universe

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



49.3176, 30.0751, 27.2509



45.5678, 25.0684, 18.3155



43.2609, 74.9853, 30.4126



18.2332, 18.0766, 19.8449



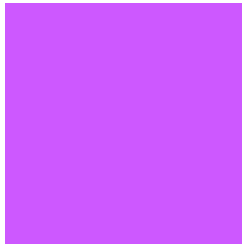
22.2938, 11.4068, 4.9315



2.2164, 1.1289, 0.7210

Previews

White Background



This preview shows how the XYZ color 46.7166, 27.1786, 97.3915 looks on a white background.

Color Contrast Check

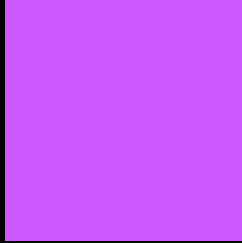
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.7166, 27.1786, 97.3915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

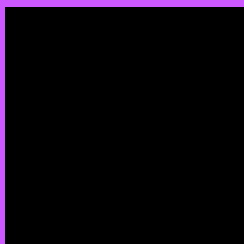
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.7166, 27.1786, 97.3915

Background



This preview shows how black text looks on a background with the XYZ color 46.7166, 27.1786, 97.3915.



This preview shows how white text looks on a background with the XYZ color 46.7166, 27.1786,

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

46.7166, 27.1786, 97.3915

Protanopia

31.0289, 27.6165, 98.3029

Deuteranopia

28.6347, 27.6629, 90.2165



Tritanopia

32.2003, 26.9813, 26.4324

Trichromacy



Original Color

46.7166, 27.1786, 97.3915



Protanomaly

33.8197, 25.3201, 97.7125



Deuteranomaly

31.5090, 24.9679, 92.7811



Tritanomaly

36.1790, 26.3123, 45.8198

Monochromacy



Original Color

46.7166, 27.1786, 97.3915



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

31.0238, 25.3373, 48.0552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7166, 27.1786, 97.3915 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(205, 88, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 88, 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(205, 88, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 88, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.7166, 27.1786, 97.3915 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(205, 88, 255) }
```


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

```
.border{ border-color:rgb(205, 88, 255) }
```

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

Here you see how a box with a 4 pixel rgb(205, 88, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 88, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 88, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 88,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7166, 27.1786, 97.3915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 88, 255) }
```

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

```
.background{ background-color: rgb(205, 88,  
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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