

Converting Colors

XYZ(48.2708, 27.7269,
108.9430)

Have a look what the booklet for
XYZ(48.2708, 27.7269, 108.9430)
contains.

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Color

**XYZ(46.1683, 26.8960,
97.3658)**

Conversions

Conversions Part 1

Format	Color
Hex	CB58FF
RGB	203, 88, 255
RGB Percent	80%, 35%, 100%
CMY	0.2039, 0.6549, 0.0000
CMYK	0.20, 0.65, 0.00, 0.00
HSL	281°, 100%, 67%
HSV	281°, 65%, 100%
XYZ	46.1683, 26.8960, 97.3658
YIQ	141.4230, 14.9330, 76.3170

Conversions

Conversions Part 2

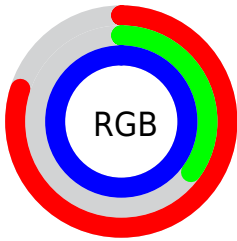
Format	Color
R _Y B	203, 88, 255
Decimal	13326591
CIE Lab	58.88, 70.29, -63.58
CIE LCh	59, 94.783, 317.868
Yxy	26.8960, 0.2709, 0.1578
Android (android.graphics.Color)	4291516671 (0xFFCB58FF)
YUV	141.4230, 55.9935, 54.0030
Hunter-Lab	51.8614, 68.1479, -75.0096

Details

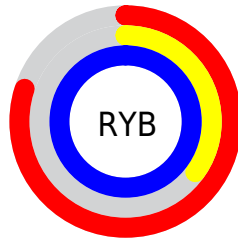
The XYZ color **46.1683, 26.8960, 97.3658** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **48.3371, 77.8003, 21.7028**, and the grayscale version is **25.2675, 26.5834, 28.9493**.

A 20% lighter version of the original color is **69.4154, 48.7308, 100.3551**, and **21.8666, 10.5343, 53.7042** is the 20% darker color. If you saturate the color by 10%, you get **42.3220, 22.3308, 96.6874**, and if you desaturate by 10%, it is **50.8591, 32.9835, 98.2936**.

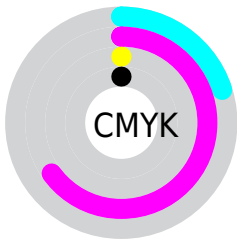
Distribution



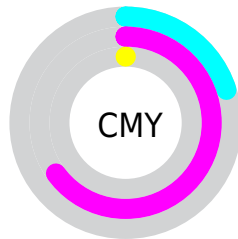
- Red (80%)
- Green (35%)
- Blue (100%)



- 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 46.1683, 26.8960, 97.3658 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 46.1683, 26.8960, 97.3658 by changing the saturation by 10% instead.

 46.1683, 26.8960,
97.3658

 46.1683, 26.8960,
97.3658


362.1895,
287.1532, 572.8881

 32.5838, 17.4951,
73.4979


 83.6971, 54.7169,
159.5526


 21.9655, 10.5881,
53.8889


 108.3722, 73.9058,
198.7086

 13.9480, 5.7906,
38.1202


 137.4749, 97.1261,
243.7976

 8.1660, 2.7182,
25.7735

 171.3705,
124.7623, 295.2383

 4.2540, 0.9864,
16.4300

210.4244,
157.1986, 353.4491

 1.8468, 0.0000,
9.6713

255.0020,

 0.5456, 0.0000,

194.8197, 418.8487

5.0788

305.4685,
238.0097, 491.8555

■ 0.0000, 0.0000,
2.2340

■ 0.0000, 0.0000,
0.6939

■ 46.1683, 26.8960,
97.3658

■ 46.1683, 26.8960,
97.3658

■ 42.3220, 22.3308,
96.6874

■ 50.8591, 32.9835,
98.2936

■ 39.2353, 19.1237,
96.2311

■ 56.4613, 40.7283,
99.4933

■ 36.8082, 17.0766,
95.9638

■ 63.0385, 50.2538,
100.9852

■ 35.8643, 16.4036,
95.8837

■ 70.6469, 61.6705,
102.7878

79.3385, 75.0799,
104.9180

89.1615, 90.5760,
107.3913

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.



33.1158, 26.8960, 143.5663



46.1683, 26.8960, 97.3658



54.5103, 26.8960, 45.0400

Triad

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



46.1683, 26.8960, 97.3658



30.5952, 26.8960, 0.6185



9.5612, 26.8960, 53.8697

Complementary

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



46.1683, 26.8960, 97.3658



48.3371, 77.8003, 21.7028

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.



9.2615, 26.8960, 17.7135



46.1683, 26.8960, 97.3658



19.2573, 26.8960, 0.7902

Square

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



46.1683, 26.8960, 97.3658



43.8446, 26.8960, 2.7681



12.2348, 26.8960, 3.8275



13.2361, 26.8960, 107.8926

Rectangle

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



46.1683, 26.8960, 97.3658



54.9937, 26.8960, 21.3127



12.2348, 26.8960, 3.8275



9.1145, 26.8960, 39.0327

Sweetspot

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



46.1694, 26.8970, 97.3660



75.2800, 68.7774, 103.9154



31.5830, 28.3112, 98.4077



15.5963, 13.9259, 22.1159



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.



46.1694, 26.8970, 97.3660



41.1561, 21.0590, 96.5034



58.2368, 33.6428, 74.2188



18.2101, 18.0001, 22.7645



18.9005, 8.6540, 50.1088



1.9527, 0.9006, 4.8842

Inverse Universe

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



49.4638, 30.1337, 28.0210



45.7068, 25.1240, 19.0475



43.0919, 74.9177, 29.5228



18.2423, 18.0802, 19.8931



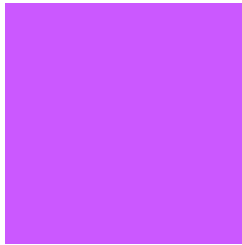
22.3525, 11.4303, 5.2410



2.2231, 1.1316, 0.7561

Previews

White Background



This preview shows how the XYZ color 46.1683, 26.8960, 97.3658 looks on a white background.

Color Contrast Check

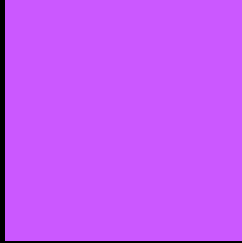
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.1683, 26.8960, 97.3658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

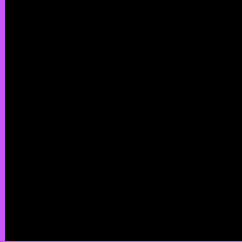
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.1683, 26.8960, 97.3658

Background



This preview shows how black text looks on a background with the XYZ color 46.1683, 26.8960, 97.3658.



This preview shows how white text looks on a background with the XYZ color 46.1683, 26.8960,

97.3658.

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

46.1683, 26.8960, 97.3658

Protanopia

30.7058, 27.2360, 98.2464

Deuteranopia

28.2284, 27.2296, 90.1542



Tritanopia

31.7144, 26.7308, 26.4097

Trichromacy



Original Color

46.1683, 26.8960, 97.3658



Protanomaly

33.5189, 25.1650, 97.6984



Deuteranomaly

30.9919, 24.5162, 92.7212



Tritanomaly

35.6691, 26.0495, 45.7959

Monochromacy



Original Color

46.1683, 26.8960, 97.3658



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

30.7129, 25.1890, 47.4992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1683, 26.8960, 97.3658 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, 88, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 88, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 88, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.1683, 26.8960, 97.3658 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, 88, 255) }
```


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

```
.border{ border-color:rgb(203, 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(203, 88, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 88, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 88, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 88,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1683, 26.8960, 97.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 88, 255) }
```

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

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