

Converting Colors

XYZ(45.8003, 26.5212, 94.8006)

Have a look what the booklet for XYZ(45.8003, 26.5212, 94.8006) contains.

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Color

**XYZ(45.8003, 26.5212,
94.8006)**

Conversions

Conversions Part 1

Format	Color
Hex	CC56FC
RGB	204, 86, 252
RGB Percent	80%, 34%, 99%
CMY	0.2000, 0.6627, 0.0118
CMYK	0.19, 0.66, 0.00, 0.01
HSL	283°, 97%, 66%
HSV	283°, 66%, 99%
XYZ	45.8003, 26.5212, 94.8006
YIQ	140.2060, 17.0420, 76.6420

Conversions

Conversions Part 2

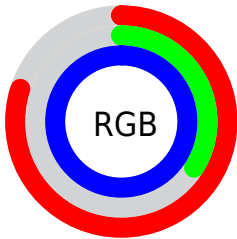
Format	Color
R _Y B	204, 86, 252
Decimal	13391612
CIE Lab	58.53, 70.75, -62.48
CIE LCh	59, 94.389, 318.553
Yxy	26.5212, 0.2741, 0.1587
Android (android.graphics.Color)	4291581692 (0xFFCC56FC)
YUV	140.2060, 55.1144, 55.9473
Hunter-Lab	51.4987, 68.6258, -73.0939

Details

The XYZ color **45.8003, 26.5212, 94.8006** 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 **46.3223, 75.3616, 20.9097**, and the grayscale version is **24.7963, 26.0876, 28.4094**.

A 20% lighter version of the original color is **69.1125, 48.1249, 100.2542**, and **21.6310, 10.3474, 51.8961** is the 20% darker color. If you saturate the color by 10%, you get **42.1807, 22.1769, 94.1533**, and if you desaturate by 10%, it is **50.2244, 32.3334, 95.6897**.

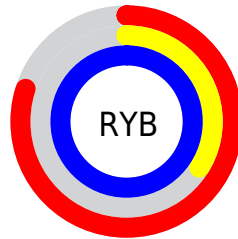
Distribution



Red (80%)

Green (34%)

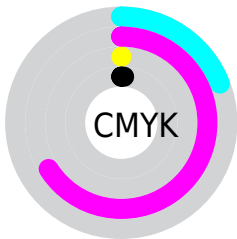
Blue (99%)



Red (80%)

Yellow (34%)

Blue (99%)

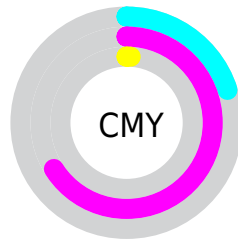


Cyan (19%)

Magenta (66%)

Yellow (0%)

Black (1%)



Cyan (20%)


Magenta (66%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8003, 26.5212, 94.8006 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 45.8003, 26.5212, 94.8006 by changing the saturation by 10% instead.


 45.8003, 26.5212,
94.8006

 45.8003, 26.5212,
94.8006


360.7346,
285.3313, 564.4944


 32.2922, 17.2140,
71.3731


 83.1497, 54.1146,
155.9823

 21.7414, 10.3872,
52.1630


 107.7218, 73.1695,
194.5735

 13.7826, 5.6564,
36.7519


 136.7126, 96.2425,
239.0564

 8.0503, 2.6373,
24.7212

 170.4875,
123.7178, 289.8495

 4.1792, 0.9455,
15.6523

209.4117,
155.9800, 347.3713

 1.8040, 0.0000,
9.1268

253.8508,

 0.5201, 0.0000,

193.4134, 412.0404

4.7260

304.1700,
236.4024, 484.2752

■ 0.0000, 0.0000,
2.0315

■ 0.0000, 0.0000,
0.5746

■ 45.8003, 26.5212,
94.8006

■ 45.8003, 26.5212,
94.8006

■ 42.1807, 22.1769,
94.1533

■ 50.2244, 32.3334,
95.6897

■ 39.2827, 19.1400,
93.7199

■ 55.5179, 39.7450,
96.8413

■ 37.0089, 17.2167,
93.4685

■ 61.7424, 48.8762,
98.2758

■ 36.1923, 16.6281,
93.3979

■ 68.9525, 59.8346,
100.0109

■ 77.1986, 72.7190,
102.0633

■ 86.5271, 87.6208,
104.4479

94.5708, 99.8083,
106.3764

Harmonies

Analogous

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



32.9590, 26.5212, 140.9708



45.8003, 26.5212, 94.8006



53.8591, 26.5212, 43.4374

Triad

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



45.8003, 26.5212, 94.8006



29.8797, 26.5212, 0.5872



9.4654, 26.5212, 54.2255

Complementary

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



45.8003, 26.5212, 94.8006



46.3223, 75.3616, 20.9097

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.



9.0993, 26.5212, 17.9992



45.8003, 26.5212, 94.8006



18.7781, 26.5212, 0.7989

Square

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



45.8003, 26.5212, 94.8006



42.9617, 26.5212, 2.6209



11.9512, 26.5212, 3.9162



13.1747, 26.5212, 107.6600

Rectangle

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



45.8003, 26.5212, 94.8006



54.1831, 26.5212, 20.4094



11.9512, 26.5212, 3.9162



9.0008, 26.5212, 39.4125

Sweetspot

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



45.8014, 26.5223, 94.8012



75.6641, 68.9754, 103.9334



30.1853, 26.5598, 95.6315



15.6890, 13.9737, 22.1202



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.



45.8014, 26.5223, 94.8012



42.3091, 21.6533, 96.5573



56.2332, 32.4558, 70.1815



17.4755, 17.2577, 21.7953



19.0062, 8.7407, 48.6589



1.8652, 0.8636, 4.5116

Inverse Universe

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



47.7764, 29.0730, 25.6485



45.4518, 25.0220, 17.7049



41.9907, 72.9366, 29.3819



17.4510, 17.3078, 18.9647



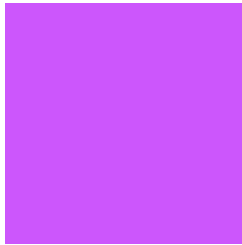
21.5911, 11.0521, 4.5550



2.0435, 1.0411, 0.6526

Previews

White Background



This preview shows how the XYZ color 45.8003, 26.5212, 94.8006 looks on a white background.

Color Contrast Check

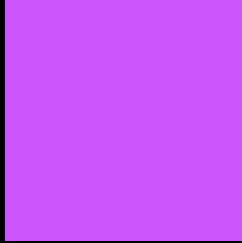
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.8003, 26.5212, 94.8006 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 45.8003, 26.5212, 94.8006

Background



This preview shows how black text looks on a background with the XYZ color 45.8003, 26.5212, 94.8006.



This preview shows how white text looks on a background with the XYZ color 45.8003, 26.5212,

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

45.8003, 26.5212, 94.8006

Protanopia

30.3890, 26.8607, 98.1907

Deuteranopia

27.8800, 26.8806, 87.7234



Tritanopia

31.4975, 26.2710, 25.2405

Trichromacy



Original Color

45.8003, 26.5212, 94.8006



Protanomaly

32.9720, 24.5482, 96.7664



Deuteranomaly

30.7965, 24.2859, 90.2533



Tritanomaly

35.4047, 25.6239, 44.1542

Monochromacy



Original Color

45.8003, 26.5212, 94.8006



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

30.1612, 24.5557, 46.8661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8003, 26.5212, 94.8006 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(204, 86, 252)` looks like.

```
.text, #text, p{  
    color:rgb(204, 86, 252)  
}
```

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(204, 86, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 86, 252) }
```

Border

The CSS property to change the border of an element to XYZ 45.8003, 26.5212, 94.8006 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(204, 86, 252) }
```


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

```
.border{ border-color:rgb(204, 86, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 86, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 86, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 86, 252);  
box-shadow:4px 4px 4px 4px rgb(204, 86,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8003, 26.5212, 94.8006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 86, 252) }
```

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

```
.background{ background-color: rgb(204, 86,  
252) }
```

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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