

Converting Colors

XYZ(45.5265, 26.8129, 97.3836)

Have a look what the booklet for
XYZ(45.5265, 26.8129, 97.3836)
contains.

XYZ(45.5256, 26.8117, 97.3835)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.5256, 26.8117,
97.3835)**

Conversions

Conversions Part 1

Format	Color
Hex	C85AFF
RGB	200, 90, 255
RGB Percent	78%, 35%, 100%
CMY	0.2157, 0.6470, 0.0000
CMYK	0.22, 0.65, 0.00, 0.00
HSL	280°, 100%, 68%
HSV	280°, 65%, 100%
XYZ	45.5256, 26.8117, 97.3835
YIQ	141.7000, 12.5950, 74.6350

Conversions

Conversions Part 2

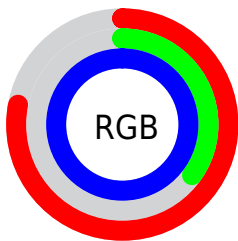
Format	Color
R _Y B	200, 90, 255
Decimal	13130495
CIE Lab	58.80, 68.80, -63.73
CIE LCh	59, 93.780, 317.189
Yxy	26.8117, 0.2682, 0.1580
Android (android.graphics.Color)	4291320575 (0xFFC85AFF)
YUV	141.7000, 55.8569, 51.1291
Hunter-Lab	51.7800, 66.3243, -75.2616

Details

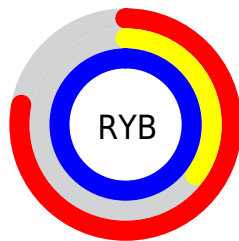
The XYZ color **45.5256, 26.8117, 97.3835** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **49.2828, 78.2781, 22.1854**, and the grayscale version is **25.3771, 26.6987, 29.0749**.

A 20% lighter version of the original color is **69.5689, 49.0378, 100.4063**, and **21.4545, 10.4778, 53.7150** is the 20% darker color. If you saturate the color by 10%, you get **41.5245, 22.0856, 96.6821**, and if you desaturate by 10%, it is **50.3923, 33.0795, 98.3368**.

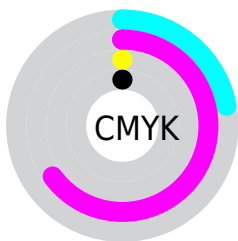
Distribution



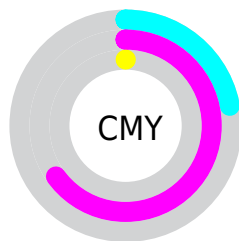
- Red (78%)
- Green (35%)
- Blue (100%)



- Red (78%)
- Yellow (35%)
- Blue (100%)



- Cyan (22%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5256, 26.8117, 97.3835 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 45.5256, 26.8117, 97.3835 by changing the saturation by 10% instead.


 45.5256, 26.8117,
97.3835


 45.5256, 26.8117,
97.3835

359.6461,
286.7442, 572.9458

 32.0747, 17.4319,
73.5125


 82.7408, 54.5816,
159.5772

 21.5744, 10.5429,
53.9008


 107.2358, 73.7404,
198.7370

 13.6593, 5.7604,
38.1297


 136.1428, 96.9276,
243.8303

 7.9642, 2.6999,
25.7808

 169.8272,
124.5277, 295.2754

 4.1237, 0.9772,
16.4354

208.6544,
156.9250, 353.4909

 1.7723, 0.0000,
9.6751

252.9897,

 0.5009, 0.0000,

194.5039, 418.8955

5.0813

303.1985,
237.6489, 491.9076

■ 0.0000, 0.0000,
2.2355

■ 0.0000, 0.0000,
0.6947

■ 45.5256, 26.8117,
97.3835

■ 45.5256, 26.8117,
97.3835

■ 41.5245, 22.0856,
96.6821

■ 50.3923, 33.0795,
98.3368

■ 38.3049, 18.7390,
96.2058

■ 56.1914, 41.0229,
99.5643

■ 35.7684, 16.5775,
95.9223

■ 62.9861, 50.7643,
101.0865

■ 34.6281, 15.7663,
95.8258

■ 70.8327, 62.4136,
102.9215

■ 79.7833, 76.0719,
105.0861

■ 89.8859, 91.8329,
107.5958

■ 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.



32.6366, 26.8117, 142.0879



45.5256, 26.8117, 97.3835



53.8990, 26.8117, 45.7138

Triad

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



45.5256, 26.8117, 97.3835



30.7393, 26.8117, 0.6945



9.5961, 26.8117, 52.3488

Complementary

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



45.5256, 26.8117, 97.3835



49.2828, 78.2781, 22.1854

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.



9.3687, 26.8117, 17.2267



45.5256, 26.8117, 97.3835



19.4607, 26.8117, 0.8241

Square

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



45.5256, 26.8117, 97.3835



43.7797, 26.8117, 2.9646



12.4038, 26.8117, 3.7783



13.1621, 26.8117, 105.2684

Rectangle

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



45.5256, 26.8117, 97.3835



54.5254, 26.8117, 21.9266



12.4038, 26.8117, 3.7783



9.1756, 26.8117, 37.9108

Sweetspot

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



45.5267, 26.8127, 97.3836



75.8001, 69.9526, 104.1148



32.3926, 29.6454, 98.6226



15.6815, 14.1459, 22.1539



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.



45.5267, 26.8127, 97.3836



40.3814, 20.8388, 96.5017



58.8308, 34.1467, 76.5261



18.1699, 17.9793, 22.7626



18.2589, 8.3233, 50.0788



1.8938, 0.8702, 4.8814

Inverse Universe

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



50.0074, 30.6173, 30.0625



46.1966, 25.5131, 21.0316



43.2174, 74.9901, 29.1819



18.2591, 18.0869, 19.9815



22.4670, 11.4761, 5.8440



2.2358, 1.1367, 0.8232

Previews

White Background



This preview shows how the XYZ color 45.5256, 26.8117, 97.3835 looks on a white background.

Color Contrast Check

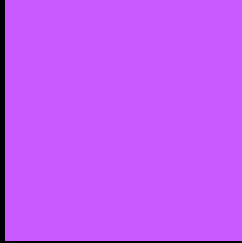
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.5256, 26.8117, 97.3835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

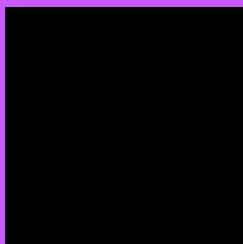
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.5256, 26.8117, 97.3835

Background



This preview shows how black text looks on a background with the XYZ color 45.5256, 26.8117, 97.3835.



This preview shows how white text looks on a background with the XYZ color 45.5256, 26.8117,

97.3835.

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

45.5256, 26.8117, 97.3835

Protanopia

30.7058, 27.2360, 98.2464

Deuteranopia

28.1674, 27.1982, 90.1514



Tritanopia

30.9608, 26.5230, 26.7802

Trichromacy



Original Color

45.5256, 26.8117, 97.3835



Protanomaly

33.4916, 25.3304, 97.7318



Deuteranomaly

30.8621, 24.6344, 92.7508



Tritanomaly

34.7808, 25.7563, 45.7861

Monochromacy



Original Color

45.5256, 26.8117, 97.3835



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

30.7345, 25.3713, 48.0770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5256, 26.8117, 97.3835 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, 90, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 90, 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, 90, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 90, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.5256, 26.8117, 97.3835 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, 90, 255) }
```


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

```
.border{ border-color:rgb(200, 90, 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, 90, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 90, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 90, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 90,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5256, 26.8117, 97.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 90, 255) }
```

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

```
.background{ background-color: rgb(200, 90,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor