

Converting Colors

XYZ(45.8753, 27.3637, 59.8104)

Have a look what the booklet for
XYZ(45.8753, 27.3637, 59.8104)
contains.

XYZ(45.9054, 27.3461, 59.9856)	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(45.9054, 27.3461,
59.9856)**

Conversions

Conversions Part 1

Format	Color
Hex	E356CC
RGB	227, 86, 204
RGB Percent	89%, 34%, 80%
CMY	0.1098, 0.6627, 0.2000
CMYK	0.00, 0.62, 0.10, 0.11
HSL	310°, 72%, 61%
HSV	310°, 62%, 89%
XYZ	45.9054, 27.3461, 59.9856
YIQ	141.6110, 46.1580, 66.5900

Conversions

Conversions Part 2

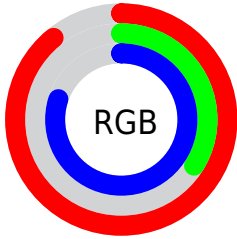
Format	Color
RYB	227, 86, 204
Decimal	14898892
CIELab	59.29, 67.75, -34.14
CIELCh	59, 75.869, 333.258
Yxy	27.3461, 0.3445, 0.2052
Android (android.graphics.Color)	4293088972 (0xFFE356CC)
YUV	141.6110, 30.7578, 74.8862
Hunter-Lab	52.2935, 65.1811, -31.4058

Details

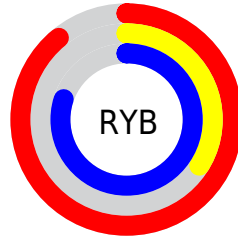
The XYZ color **45.9054, 27.3461, 59.9856** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **34.0684, 58.0217, 23.8738**, and the grayscale version is **25.4288, 26.7530, 29.1340**.

A 20% lighter version of the original color is **69.2633, 48.4265, 100.3044**, and **21.7172, 10.7826, 29.3704** is the 20% darker color. If you saturate the color by 10%, you get **43.9335, 24.1042, 57.1631**, and if you desaturate by 10%, it is **48.4650, 31.7454, 63.0566**.

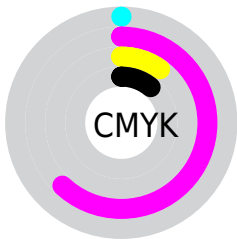
Distribution



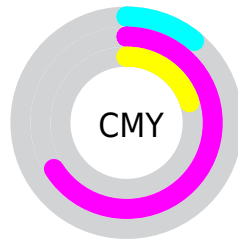
- Red (89%)
- Green (34%)
- Blue (80%)



- Red (89%)
- Yellow (34%)
- Blue (80%)



- Cyan (0%)
- Magenta (62%)
- Yellow (10%)
- Black (11%)




- Cyan (11%)
- Magenta (66%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9054, 27.3461, 59.9856 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 45.9054, 27.3461, 59.9856 by changing the saturation by 10% instead.


 45.9054, 27.3461,
59.9856


 45.9054, 27.3461,
59.9856

361.1505,
289.3290, 442.3479


 32.3755, 17.8333,
42.9818


 83.3061, 55.4387,
106.3519


 21.8054, 10.8304,
29.5395


 107.9077, 74.7874,
136.5516

 13.8298, 5.9529,
19.2403


 136.9304, 98.1835,
171.9869

 8.0833, 2.8165,
11.6655

 170.7398,
126.0114, 213.0765

 4.2005, 1.0367,
6.3965

209.7012,
158.6555, 260.2388

 1.8162, 0.0000,
3.0150

254.1798,

 0.5274, 0.0000,

196.5002, 313.8925

1.1023

304.5412,
239.9299, 374.4560

■ 0.0000, 0.0000,
0.0000

■ 45.9054, 27.3461,
59.9856

■ 45.9054, 27.3461,
59.9856

■ 43.9335, 24.1042,
57.1631

■ 48.4650, 31.7454,
63.0566

■ 42.4899, 21.9025,
54.5681

■ 51.6589, 37.3968,
66.3913

■ 41.5072, 20.6060,
52.1783

■ 55.5320, 44.3896,
70.0051

■ 40.9698, 20.0474,
50.4083

■ 60.1245, 52.8039,
73.9120

■ 65.4733, 62.7135,
78.1244

71.6128, 74.1870,
82.6542

78.5753, 87.2888,
87.5126

82.2363, 93.7700,
91.3249

82.7729, 93.9847,
94.1506

Harmonies

Analogous

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



37.3246, 27.3461, 98.2395



45.9054, 27.3461, 59.9856



48.7687, 27.3461, 26.9060

Triad

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



45.9054, 27.3461, 59.9856



24.9695, 27.3461, 2.1515



13.5344, 27.3461, 68.5611

Complementary

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



45.9054, 27.3461, 59.9856



34.0684, 58.0217, 23.8738

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.



11.7097, 27.3461, 32.8416



45.9054, 27.3461, 59.9856



17.2219, 27.3461, 3.9798

Square

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



45.9054, 27.3461, 59.9856



35.0871, 27.3461, 3.2535



12.8749, 27.3461, 11.9204



18.6218, 27.3461, 104.9623

Rectangle

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



45.9054, 27.3461, 59.9856



46.5932, 27.3461, 13.5524



12.8749, 27.3461, 11.9204



12.5839, 27.3461, 55.5125

Sweetspot

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



45.9063, 27.3474, 59.9861



80.2473, 72.3893, 97.8167



23.2758, 15.3383, 74.4075



16.7685, 14.7416, 20.6075



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.



45.9063, 27.3474, 59.9861



56.4869, 30.2697, 73.2453



39.4054, 24.7470, 25.7527



14.8888, 14.5727, 17.6149



23.9304, 11.7064, 29.5919



1.7954, 0.8759, 2.3293

Inverse Universe

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



45.9063, 27.3474, 59.9861



56.4869, 30.2697, 73.2453



39.3088, 60.1179, 51.4692



14.8888, 14.5727, 17.6149



23.9304, 11.7064, 29.5919



1.7954, 0.8759, 2.3293

Previews

White Background



This preview shows how the XYZ color 45.9054, 27.3461, 59.9856 looks on a white background.

Color Contrast Check

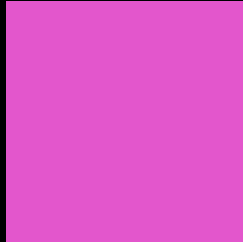
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.9054, 27.3461, 59.9856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

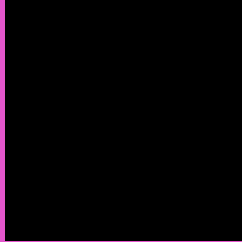
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.9054, 27.3461, 59.9856

Background



This preview shows how black text looks on a background with the XYZ color 45.9054, 27.3461, 59.9856.



This preview shows how white text looks on a background with the XYZ color 45.9054, 27.3461,

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

45.9054, 27.3461, 59.9856

Protanopia

31.0931, 27.9754, 93.3835

Deuteranopia

28.1276, 27.5019, 55.4557



Tritanopia

37.7003, 27.3416, 20.1201

Trichromacy



Original Color

45.9054, 27.3461, 59.9856



Protanomaly

32.5798, 25.0669, 80.2121



Deuteranomaly

32.1347, 25.5385, 56.6618



Tritanomaly

39.8973, 26.8494, 31.5134

Monochromacy



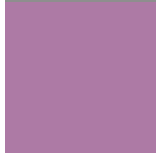
Original Color

45.9054, 27.3461, 59.9856



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

30.9846, 25.5199, 38.8901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9054, 27.3461, 59.9856 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(227, 86, 204)` looks like.

```
.text, #text, p{  
    color:rgb(227, 86, 204)  
}
```

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(227, 86, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 86, 204) }
```

Border

The CSS property to change the border of an element to XYZ 45.9054, 27.3461, 59.9856 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(227, 86, 204) }
```


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

```
.border{ border-color:rgb(227, 86, 204) }
```

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

Here you see how a box with a 4 pixel rgb(227, 86, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 86, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 86, 204);  
box-shadow:4px 4px 4px 4px rgb(227, 86,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9054, 27.3461, 59.9856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 86, 204) }
```

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

```
.background{ background-color: rgb(227, 86,  
204) }
```

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