

Converting Colors

XYZ(58.6629, 45.5943, 82.5702)

Have a look what the booklet for
XYZ(58.6629, 45.5943, 82.5702)
contains.

XYZ(58.8967, 45.8174, 82.8302)	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(58.8967, 45.8174,
82.8302)**

Conversions

Conversions Part 1

Format	Color
Hex	E69AE9
RGB	230, 154, 233
RGB Percent	90%, 60%, 91%
CMY	0.0980, 0.3961, 0.0863
CMYK	0.01, 0.34, 0.00, 0.09
HSL	298°, 64%, 76%
HSV	298°, 34%, 91%
XYZ	58.8967, 45.8174, 82.8302
YIQ	185.7300, 19.9370, 40.6810

Conversions

Conversions Part 2

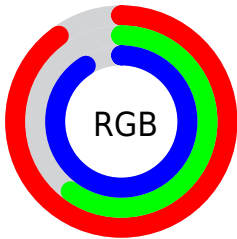
Format	Color
R_{YB}	230, 154, 233
Decimal	15112937
CIE _{Lab}	73.43, 40.81, -28.39
CIE _{LCh}	73, 49.715, 325.176
Yxy	45.8174, 0.3140, 0.2443
Android (android.graphics.Color)	4293303017 (0xFFE69AE9)
YUV	185.7300, 23.3041, 38.8248
Hunter-Lab	67.6886, 36.8602, -25.1709

Details

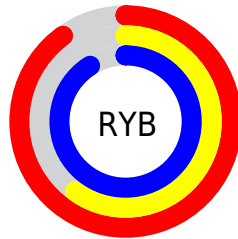
The XYZ color **58.8967, 45.8174, 82.8302** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **48.8778, 67.7801, 41.0809**, and the grayscale version is **46.3885, 48.8043, 53.1479**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **29.8231, 21.3659, 44.1472** is the 20% darker color. If you saturate the color by 10%, you get **55.1353, 38.7140, 81.6580**, and if you desaturate by 10%, it is **63.4089, 54.4183, 84.2532**.

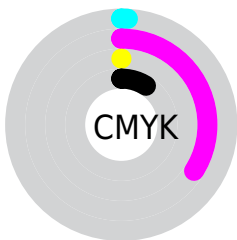
Distribution



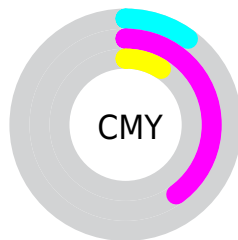
- Red (90%)
- Green (60%)
- Blue (91%)



- Red (90%)
- Yellow (60%)
- Blue (91%)



- Cyan (1%)
- Magenta (34%)
- Yellow (0%)
- Black (9%)





- Cyan (10%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8967, 45.8174, 82.8302 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 58.8967, 45.8174, 82.8302 by changing the saturation by 10% instead.


 58.8967, 45.8174,
82.8302


 58.8967, 45.8174,
82.8302


410.4192,
370.0741, 524.3766

 42.7760, 32.1018,
61.5103

 102.3430, 83.9457,
139.1847

 29.9032, 21.4392,
44.2039


 130.3993,
109.1271, 175.0564

 19.9128, 13.4454,
30.4925


163.1649,
138.8992, 216.6158

 12.4396, 7.7360,
19.9575

201.0051,
173.6464, 264.2814

 7.1181, 3.9265,
12.1804

244.2853,
213.7531, 318.4717

 3.5831, 1.6325,
6.7426

293.3708,

 1.4691, 0.3794,

259.6036, 379.6053

3.2257

348.6270,
311.5825, 448.1008

■ 0.3046, 0.0000,
1.2110

■ 0.0000, 0.0000,
0.0000

■ 58.8967, 45.8174,
82.8302

■ 58.8967, 45.8174,
82.8302

■ 55.1353, 38.7140,
81.6580

■ 63.4089, 54.4183,
84.2532

■ 52.0768, 33.0153,
80.7193

■ 68.7072, 64.5902,
85.9373

■ 49.6749, 28.6277,
79.9990

■ 74.8303, 76.4095,
87.8959

■ 47.8759, 25.4436,
79.4792

■ 81.8126, 89.9452,
90.1406

46.6174, 23.3387,
79.1392

84.5394, 94.9677,
90.9663

45.8238, 22.1612,
78.9538

84.8313, 95.1181,
90.9800

45.4964, 21.7552,
78.8927

85.1247, 95.2694,
90.9937

85.4195, 95.4213,
91.0075

85.7157, 95.5740,
91.0214

Harmonies

Analogous

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



51.1167, 45.8174, 107.5439



58.8967, 45.8174, 82.8302



62.5887, 45.8174, 54.0562

Triad

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



58.8967, 45.8174, 82.8302



44.9804, 45.8174, 15.5965



30.0095, 45.8174, 73.3609

Complementary

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



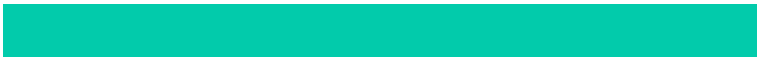
58.8967, 45.8174, 82.8302



48.8778, 67.7801, 41.0809

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.



28.8232, 45.8174, 45.9386



58.8967, 45.8174, 82.8302



36.7661, 45.8174, 17.7191

Square

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



58.8967, 45.8174, 82.8302



53.8964, 45.8174, 19.8331



31.1285, 45.8174, 27.0928



34.6172, 45.8174, 100.9134

Rectangle

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



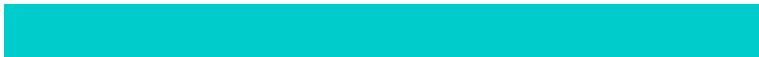
58.8967, 45.8174, 82.8302



61.9187, 45.8174, 38.2904



31.1285, 45.8174, 27.0928



29.2260, 45.8174, 63.6171

Sweetspot

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



58.8982, 45.8194, 82.8312



87.0926, 84.6126, 106.3493



40.2547, 37.1921, 82.1486



18.4201, 17.6837, 22.6924



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.



58.8982, 45.8194, 82.8312



68.8229, 49.6915, 100.5718



55.2910, 44.4887, 58.7688



15.6550, 15.2829, 19.0470



25.8404, 12.3571, 44.7662



2.0468, 0.9794, 3.5160

Inverse Universe

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



51.2472, 42.8712, 37.4742



58.0860, 45.5637, 36.4886



51.7121, 68.8470, 59.0229



15.0886, 15.0633, 15.7521



19.1054, 9.8449, 1.0907



1.5084, 0.7763, 0.1287

Previews

White Background



This preview shows how the XYZ color 58.8967, 45.8174, 82.8302 looks on a white background.

Color Contrast Check

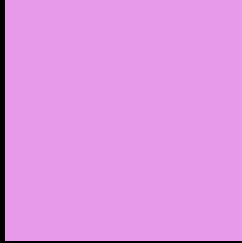
Large Text (above 18pt) WCAG AA × Fail

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 58.8967, 45.8174, 82.8302 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 ✓ Pass

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

XYZ 58.8967, 45.8174, 82.8302

Background



This preview shows how black text looks on a background with the XYZ color 58.8967, 45.8174, 82.8302.



This preview shows how white text looks on a background with the XYZ color 58.8967, 45.8174,

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

58.8967, 45.8174, 82.8302

Protanopia

47.6311, 46.1768, 97.6694

Deuteranopia

47.0986, 45.9857, 80.5225



Tritanopia

51.9224, 45.8126, 48.2256

Trichromacy



Original Color

58.8967, 45.8174, 82.8302



Protanomaly

50.5247, 45.2219, 91.6537



Deuteranomaly

50.7190, 45.5584, 80.9834



Tritanomaly

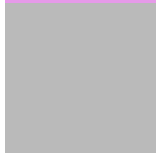
54.3019, 45.7357, 59.3919

Monochromacy



Original Color

58.8967, 45.8174, 82.8302



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

50.2727, 47.1405, 62.9493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8967, 45.8174, 82.8302 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(230, 154, 233)` looks like.

```
.text, #text, p{  
    color:rgb(230, 154, 233)  
}
```

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(230, 154, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 154, 233) }
```

Border

The CSS property to change the border of an element to XYZ 58.8967, 45.8174, 82.8302 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(230, 154, 233) }
```


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

```
.border{ border-color:rgb(230, 154, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 154, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 154, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 154, 233);  
box-shadow:4px 4px 4px 4px rgb(230, 154,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8967, 45.8174, 82.8302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 154, 233) }
```

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

```
.background{ background-color: rgb(230,  
154, 233) }
```

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