

Converting Colors

XYZ(45.7017, 40.5367, 58.8464)

Have a look what the booklet for
XYZ(45.7017, 40.5367, 58.8464)
contains.

XYZ(45.7086, 40.5367, 58.8413)	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(45.7086, 40.5367,
58.8413)**

Conversions

Conversions Part 1

Format	Color
Hex	C69EC6
RGB	198, 158, 198
RGB Percent	78%, 62%, 78%
CMY	0.2235, 0.3804, 0.2235
CMYK	0.00, 0.20, 0.00, 0.22
HSL	300°, 26%, 70%
HSV	300°, 20%, 78%
XYZ	45.7086, 40.5367, 58.8413
YIQ	174.5200, 11.0000, 20.9200

Conversions

Conversions Part 2

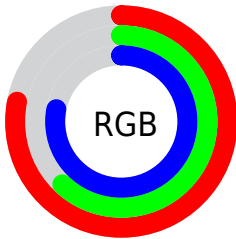
Format	Color
R_{YB}	198, 158, 198
Decimal	13016774
CIE _{Lab}	69.85, 21.69, -14.89
CIE _{LCh}	70, 26.308, 325.532
Yxy	40.5367, 0.3150, 0.2794
Android (android.graphics.Color)	4291206854 (0xFFC69EC6)
YUV	174.5200, 11.5756, 20.5920
Hunter-Lab	63.6684, 16.7283, -10.2269

Details

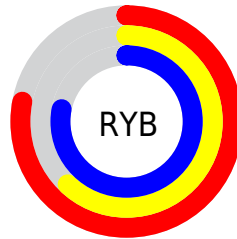
The XYZ color **45.7086, 40.5367, 58.8413** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.4678, 50.1271, 39.8926**, and the grayscale version is **40.4389, 42.5449, 46.3314**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **21.6897, 18.2510, 28.7652** is the 20% darker color. If you saturate the color by 10%, you get **42.6000, 34.3189, 57.8054**, and if you desaturate by 10%, it is **49.3638, 47.8463, 60.0603**.

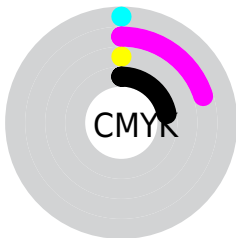
Distribution



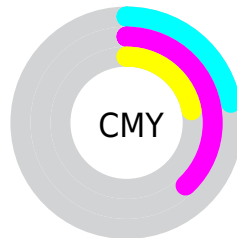
- Red (78%)
- Green (62%)
- Blue (78%)



- Red (78%)
- Yellow (62%)
- Blue (78%)



- Cyan (0%)
- Magenta (20%)
- Yellow (0%)
- Black (22%)





- Cyan (22%)
- Magenta (38%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7086, 40.5367, 58.8413 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 45.7086, 40.5367, 58.8413 by changing the saturation by 10% instead.

 45.7086, 40.5367,
58.8413


 45.7086, 40.5367,
58.8413


360.3715,
348.3805, 437.9990

 32.2196, 27.9572,
42.0662


 83.0133, 75.9801,
104.6738

 21.6856, 18.2934,
28.8272


 107.5596, 99.6128,
134.5683

 13.7414, 11.1609,
18.7057


136.5225,
127.6988, 169.6731

 8.0215, 6.1751,
11.2831

170.2672,
160.6223, 210.4066

 4.1606, 2.9519,
6.1411

209.1590,
198.7679, 257.1874

 1.7934, 1.1067,
2.8609

253.5635,

 0.5137, 0.0000,

242.5198, 310.4340

1.0240

303.8459,
292.2626, 370.5651

■ 0.0000, 0.0000,
0.0000

■ 45.7086, 40.5367,
58.8413

■ 45.7086, 40.5367,
58.8413

■ 42.6000, 34.3189,
57.8054

■ 49.3638, 47.8463,
60.0603

■ 40.0083, 29.1355,
56.9414

■ 53.5861, 56.2909,
61.4678

■ 37.9066, 24.9320,
56.2407

■ 58.3996, 65.9179,
63.0725

■ 36.2640, 21.6469,
55.6931

■ 63.8259, 76.7704,
64.8813

■ 35.0462, 19.2115,
55.2871

■ 69.2423, 87.6033,
66.6869

■ 34.2143, 17.5476,
55.0096

■ 69.2423, 87.6033,
66.6870

■ 33.7218, 16.5627,
54.8453

■ 69.2424, 87.6033,
66.6872

■ 33.4820, 16.0831,
54.7653

■ 69.2424, 87.6033,
66.6873

■ 69.2424, 87.6033,
66.6874

Harmonies

Analogous

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



42.1804, 40.5367, 68.9614



45.7086, 40.5367, 58.8413



47.3158, 40.5367, 45.9964

Triad

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



45.7086, 40.5367, 58.8413



39.1726, 40.5367, 24.5868



31.5794, 40.5367, 55.0781

Complementary

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



45.7086, 40.5367, 58.8413



40.4678, 50.1271, 39.8926

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.



30.9034, 40.5367, 42.3295



45.7086, 40.5367, 58.8413



35.0945, 40.5367, 26.1253

Square

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



45.7086, 40.5367, 58.8413



43.3692, 40.5367, 27.4392



32.1434, 40.5367, 32.1133



34.0629, 40.5367, 66.5222

Rectangle

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



45.7086, 40.5367, 58.8413



47.0010, 40.5367, 38.1308



32.1434, 40.5367, 32.1133



31.1415, 40.5367, 50.7442

Sweetspot

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



45.7098, 40.5385, 58.8422



90.3618, 90.6237, 107.3371



36.5223, 35.8021, 58.4125



19.2368, 19.1886, 22.9398



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.



45.7098, 40.5385, 58.8422



78.5372, 66.9746, 103.3952



43.5529, 39.6757, 47.4837



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6148



1.0310, 0.4952, 1.6864

Inverse Universe

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



45.7098, 40.5385, 58.8422



78.5372, 66.9746, 103.3952



42.3320, 50.8728, 49.7093



11.0832, 10.8166, 13.4211



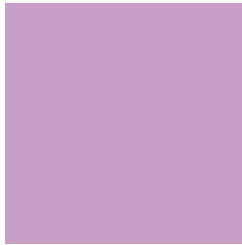
21.7739, 10.4591, 35.6148



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 45.7086, 40.5367, 58.8413 looks on a white background.

Color Contrast Check

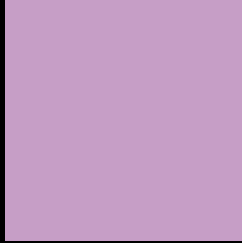
Large Text (above 18pt) WCAG AA × Fail

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 45.7086, 40.5367, 58.8413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

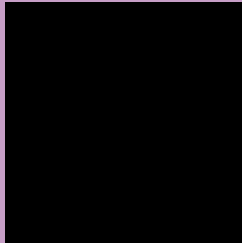
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7086, 40.5367, 58.8413

Background



This preview shows how black text looks on a background with the XYZ color 45.7086, 40.5367, 58.8413.



This preview shows how white text looks on a background with the XYZ color 45.7086, 40.5367,

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

45.7086, 40.5367, 58.8413

Protanopia

40.4328, 40.6187, 64.1017

Deuteranopia

41.4617, 40.7369, 57.9023



Tritanopia

43.1639, 40.5379, 46.1071

Trichromacy



Original Color

45.7086, 40.5367, 58.8413

Protanomaly

42.1391, 40.4522, 62.0870

Deuteranomaly

42.8819, 40.6494, 58.4093

Tritanomaly

44.0571, 40.6444, 50.3228

Monochromacy



Original Color

45.7086, 40.5367, 58.8413

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.2636, 41.8621, 50.6524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7086, 40.5367, 58.8413 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(198, 158, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 158, 198)  
}
```

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(198, 158, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 158, 198) }
```

Border

The CSS property to change the border of an element to XYZ 45.7086, 40.5367, 58.8413 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(198, 158, 198) }
```


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

```
.border{ border-color:rgb(198, 158, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 158, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 158, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 158, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 158,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7086, 40.5367, 58.8413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 158, 198) }
```

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

```
.background{ background-color: rgb(198,  
158, 198) }
```

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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