

Converting Colors

XYZ(45.6241, 40.8229, 58.7314)

Have a look what the booklet for
XYZ(45.6241, 40.8229, 58.7314)
contains.

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Color

**XYZ(45.6171, 40.7438,
58.8861)**

Conversions

Conversions Part 1

Format	Color
Hex	C59FC6
RGB	197, 159, 198
RGB Percent	77%, 62%, 78%
CMY	0.2274, 0.3765, 0.2235
CMYK	0.01, 0.20, 0.00, 0.22
HSL	298°, 25%, 70%
HSV	298°, 20%, 78%
XYZ	45.6171, 40.7438, 58.8861
YIQ	174.8080, 10.1290, 20.1850

Conversions

Conversions Part 2

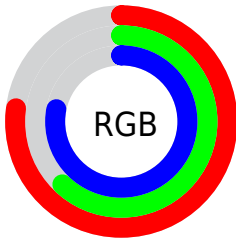
Format	Color
R_{YB}	197, 159, 198
Decimal	12951494
CIE _{Lab}	70.00, 20.80, -14.68
CIE _{LCh}	70, 25.457, 324.788
Yxy	40.7438, 0.3141, 0.2805
Android (android.graphics.Color)	4291141574 (0xFFC59FC6)
YUV	174.8080, 11.4337, 19.4624
Hunter-Lab	63.8309, 15.8620, -10.0154

Details

The XYZ color **45.6171, 40.7438, 58.8861** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.9508, 50.3660, 40.3662**, and the grayscale version is **40.5885, 42.7022, 46.5027**.

A 20% lighter version of the original color is **82.9696, 76.3840, 104.9783**, and **21.6194, 18.3686, 28.7916** is the 20% darker color. If you saturate the color by 10%, you get **42.3490, 34.4038, 57.8352**, and if you desaturate by 10%, it is **49.4335, 48.1783, 60.1206**.

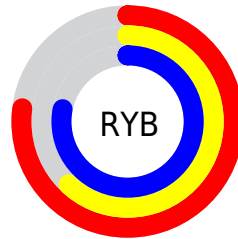
Distribution



Red (77%)

Green (62%)

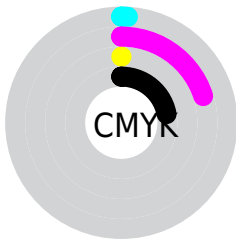
Blue (78%)



Red (77%)

Yellow (62%)

Blue (78%)

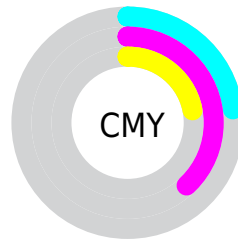


Cyan (1%)

Magenta (20%)

Yellow (0%)

Black (22%)



Cyan (23%)


Magenta (38%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6171, 40.7438, 58.8861 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 45.6171, 40.7438, 58.8861 by changing the saturation by 10% instead.


 45.6171, 40.7438,
58.8861

 45.6171, 40.7438,
58.8861


360.0089,
349.2487, 438.1698

 32.1471, 28.1189,
42.1020


 82.8770, 76.2948,
104.7396

 21.6300, 18.4153,
28.8550


 107.3977, 99.9898,
134.6461

 13.7004, 11.2486,
18.7265


136.3327,
128.1436, 169.7638

 7.9929, 6.2343,
11.2980

170.0472,
161.1406, 210.5113

 4.1421, 2.9881,
6.1510

208.9068,
199.3652, 257.3071

 1.7829, 1.1255,
2.8668

253.2767,

 0.5073, 0.0000,

243.2018, 310.5698

1.0270

303.5223,
293.0349, 370.7178

■ 0.0000, 0.0000,
0.0000

■ 45.6171, 40.7438,
58.8861

■ 45.6171, 40.7438,
58.8861

■ 42.3490, 34.4038,
57.8352

■ 49.4335, 48.1783,
60.1206

■ 39.5995, 29.1012,
56.9566

■ 53.8188, 56.7504,
61.5440

■ 37.3419, 24.7818,
56.2419

■ 58.7967, 66.5074,
63.1649

■ 35.5456, 21.3842,
55.6807

■ 64.3890, 77.4922,
64.9905

■ 34.1764, 18.8401,
55.2619

■ 69.6497, 87.8133,
66.7054

■ 33.1956, 17.0721,
54.9723

■ 69.7851, 87.8831,
66.7117

■ 32.5572, 15.9884,
54.7968

■ 69.9209, 87.9531,
66.7181

■ 32.1768, 15.4200,
54.7071

■ 70.0572, 88.0234,
66.7244

■ 32.1663, 15.4048,
54.7047

■ 70.1940, 88.0939,
66.7308

Harmonies

Analogous

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



42.1681, 40.7438, 68.5097



45.6171, 40.7438, 58.8861



47.2272, 40.7438, 46.4715

Triad

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



45.6171, 40.7438, 58.8861



39.4551, 40.7438, 25.2764



31.9244, 40.7438, 54.6494

Complementary

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



45.6171, 40.7438, 58.8861



40.9508, 50.3660, 40.3662

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.



31.3111, 40.7438, 42.3194



45.6171, 40.7438, 58.8861



35.4760, 40.7438, 26.6836

Square

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



45.6171, 40.7438, 58.8861



43.5109, 40.7438, 28.1903



32.5660, 40.7438, 32.4488



34.3050, 40.7438, 65.7735

Rectangle

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



45.6171, 40.7438, 58.8861



46.9637, 40.7438, 38.7826



32.5660, 40.7438, 32.4488



31.5123, 40.7438, 50.4547

Sweetspot

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



45.6183, 40.7456, 58.8870



90.2177, 90.5494, 107.3305



37.1158, 36.6959, 58.5535



19.2026, 19.1710, 22.9382



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.



45.6183, 40.7456, 58.8870



77.9624, 66.6782, 103.3689



43.9060, 40.0910, 48.4989



11.0552, 10.8022, 13.4199



20.9301, 10.0241, 35.5761



0.9997, 0.4791, 1.6849

Inverse Universe

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



42.0334, 39.3419, 38.6380



70.3794, 63.7114, 60.4369



42.4493, 50.9424, 49.2966



10.6447, 10.6413, 11.1123



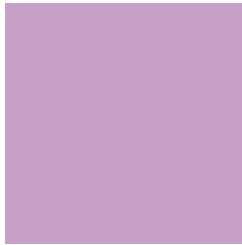
15.1682, 7.8168, 0.8295



0.7221, 0.3717, 0.0600

Previews

White Background



This preview shows how the XYZ color 45.6171, 40.7438, 58.8861 looks on a white background.

Color Contrast Check

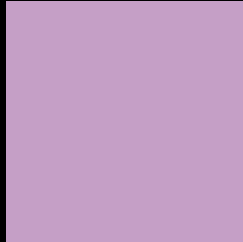
Large Text (above 18pt) WCAG AA × Fail

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 45.6171, 40.7438, 58.8861 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 45.6171, 40.7438, 58.8861

Background



This preview shows how black text looks on a background with the XYZ color 45.6171, 40.7438, 58.8861.



This preview shows how white text looks on a background with the XYZ color 45.6171, 40.7438,

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

45.6171, 40.7438, 58.8861

Protanopia

40.7040, 41.0497, 63.5357

Deuteranopia

41.6870, 40.8531, 57.9128



Tritanopia

43.1818, 40.7983, 46.6732

Trichromacy



Original Color

45.6171, 40.7438, 58.8861

Protanomaly

42.2014, 40.7668, 61.5216

Deuteranomaly

43.1207, 40.7725, 58.4205

Tritanomaly

44.0777, 40.9035, 50.9194

Monochromacy



Original Color

45.6171, 40.7438, 58.8861

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 45.6171, 40.7438, 58.8861 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(197, 159, 198)` looks like.

```
.text, #text, p{  
    color:rgb(197, 159, 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(197, 159, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 159, 198) }
```

Border

The CSS property to change the border of an element to XYZ 45.6171, 40.7438, 58.8861 is called "border". The border property can be set on classes, ids or directly on the HTML element.

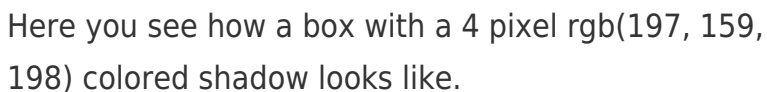
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 159, 198) }
```


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

```
.border{ border-color:rgb(197, 159, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 159, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 159, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 159, 198); box-shadow:4px 4px 4px 4px rgb(197, 159, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6171, 40.7438, 58.8861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 159, 198) }
```

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

```
.background{ background-color: rgb(197,  
159, 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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