

Converting Colors

XYZ(45.6797, 40.0459, 56.1167)

Have a look what the booklet for
XYZ(45.6797, 40.0459, 56.1167)
contains.

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Color

**XYZ(45.7135, 40.0895,
56.3676)**

Conversions

Conversions Part 1

Format	Color
Hex	C99CC2
RGB	201, 156, 194
RGB Percent	79%, 61%, 76%
CMY	0.2118, 0.3882, 0.2392
CMYK	0.00, 0.22, 0.03, 0.21
HSL	309°, 29%, 70%
HSV	309°, 22%, 79%
XYZ	45.7135, 40.0895, 56.3676
YIQ	173.7870, 14.6220, 21.3580

Conversions

Conversions Part 2

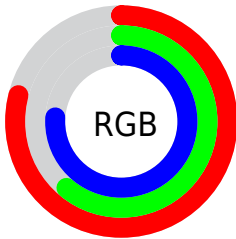
Format	Color
R _Y B	201, 156, 194
Decimal	13212866
CIE Lab	69.53, 23.07, -13.12
CIE LCh	70, 26.539, 330.373
Yxy	40.0895, 0.3215, 0.2820
Android (android.graphics.Color)	4291402946 (0xFFC99CC2)
YUV	173.7870, 9.9650, 23.8658
Hunter-Lab	63.3163, 18.0711, -8.4618

Details

The XYZ color **45.7135, 40.0895, 56.3676** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.2095, 51.4868, 42.4187**, and the grayscale version is **40.0691, 42.1558, 45.9077**.

A 20% lighter version of the original color is **81.9469, 74.8136, 101.3882**, and **21.5380, 17.9051, 27.1318** is the 20% darker color. If you saturate the color by 10%, you get **42.2686, 33.7552, 53.5051**, and if you desaturate by 10%, it is **49.7264, 47.5466, 59.4568**.

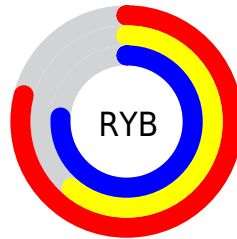
Distribution



Red (79%)

Green (61%)

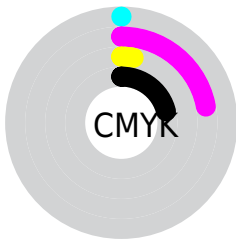
Blue (76%)



Red (79%)

Yellow (61%)

Blue (76%)

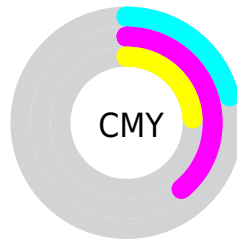


Cyan (0%)

Magenta (22%)

Yellow (3%)

Black (21%)



Cyan (21%)


Magenta (39%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7135, 40.0895, 56.3676 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 45.7135, 40.0895, 56.3676 by changing the saturation by 10% instead.


 45.7135, 40.0895,
56.3676


 45.7135, 40.0895,
56.3676


360.3909,
346.5007, 428.5025

 32.2235, 27.6083,
40.0918


 83.0206, 75.2998,
101.0330

 21.6886, 18.0306,
27.2958


 107.5683, 98.7977,
130.2596

 13.7436, 10.9720,
17.5611


136.5326,
126.7366, 164.6403

 8.0231, 6.0480,
10.4692

170.2789,
159.5010, 204.5935

 4.1616, 2.8743,
5.6015

209.1726,
197.4752, 250.5377

 1.7940, 1.0665,
2.5395

253.5788,

 0.5140, 0.0000,

241.0436, 302.8917

0.8610

303.8632,
290.5906, 362.0737

■ 0.0000, 0.0000,
0.0000

■ 45.7135, 40.0895,
56.3676

■ 45.7135, 40.0895,
56.3676

■ 42.2686, 33.7552,
53.5051

■ 49.7264, 47.5466,
59.4568

■ 39.3604, 28.4833,
50.8573

■ 54.3291, 56.1721,
62.7789

■ 36.9605, 24.2163,
48.4149

■ 59.5469, 66.0159,
66.3429

■ 35.0361, 20.8886,
46.1668

■ 65.4026, 77.1232,
70.1566

■ 33.5506, 18.4272,
44.1007

■ 71.4353, 88.5727,
74.0667

■ 32.4620, 16.7482,
42.2021

■ 71.8280, 88.7298,
76.1343

■ 31.7200, 15.7508,
40.4542

■ 72.2283, 88.8899,
78.2422

■ 31.3180, 15.3098,
39.2011

■ 72.6363, 89.0531,
80.3906

■ 73.0520, 89.2194,
82.5798

Harmonies

Analogous

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



42.4177, 40.0895, 67.3022



45.7135, 40.0895, 56.3676



46.9387, 40.0895, 43.4974

Triad

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



45.7135, 40.0895, 56.3676



38.0503, 40.0895, 24.0716



31.4365, 40.0895, 56.6833

Complementary

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



45.7135, 40.0895, 56.3676



41.2095, 51.4868, 42.4187

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.



30.4536, 40.0895, 43.8042



45.7135, 40.0895, 56.3676



34.0929, 40.0895, 26.3124

Square

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



45.7135, 40.0895, 56.3676



42.3181, 40.0895, 26.2031



31.3894, 40.0895, 33.0065



34.1791, 40.0895, 67.5071

Rectangle

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



45.7135, 40.0895, 56.3676



46.3499, 40.0895, 35.9499



31.3894, 40.0895, 33.0065



30.8989, 40.0895, 52.3793

Sweetspot

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



45.7147, 40.0913, 56.3685



89.1737, 88.9577, 104.7514



37.4860, 35.7562, 60.1851



18.9836, 18.8472, 22.3466



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.



45.7147, 40.0913, 56.3685



75.2035, 62.9903, 94.0126



43.3997, 39.1653, 44.1779



11.0095, 10.7872, 13.0331



19.7189, 9.6371, 24.7936



0.9533, 0.4642, 1.2774

Inverse Universe

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



45.7147, 40.0913, 56.3685



75.2035, 62.9903, 94.0126



43.3818, 52.3557, 53.8580



11.0095, 10.7872, 13.0331



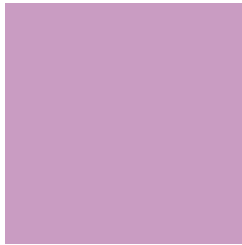
19.7189, 9.6371, 24.7936



0.9533, 0.4642, 1.2774

Previews

White Background



This preview shows how the XYZ color 45.7135, 40.0895, 56.3676 looks on a white background.

Color Contrast Check

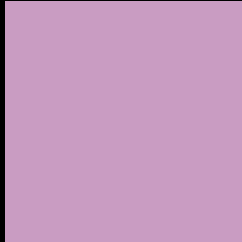
Large Text (above 18pt) WCAG AA × Fail

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 45.7135, 40.0895, 56.3676 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 45.7135, 40.0895, 56.3676

Background



This preview shows how black text looks on a background with the XYZ color 45.7135, 40.0895, 56.3676.



This preview shows how white text looks on a background with the XYZ color 45.7135, 40.0895,

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

45.7135, 40.0895, 56.3676

Protanopia

39.9529, 40.4267, 61.5745

Deuteranopia

41.0551, 40.3083, 55.4856



Tritanopia

43.3059, 40.1259, 44.4923

Trichromacy



Original Color

45.7135, 40.0895, 56.3676

Protanomaly

41.7157, 40.0216, 59.5591

Deuteranomaly

42.5536, 40.0052, 55.9310

Tritanomaly

44.1895, 40.2337, 48.6169

Monochromacy



Original Color

45.7135, 40.0895, 56.3676

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.9264, 41.1640, 49.4517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7135, 40.0895, 56.3676 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(201, 156, 194)` looks like.

```
.text, #text, p{  
    color:rgb(201, 156, 194)  
}
```

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(201, 156, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 156, 194) }
```

Border

The CSS property to change the border of an element to XYZ 45.7135, 40.0895, 56.3676 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(201, 156, 194) }
```


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

```
.border{ border-color:rgb(201, 156, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 156, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 156, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 156, 194);  
box-shadow:4px 4px 4px 4px rgb(201, 156,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7135, 40.0895, 56.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 156, 194) }
```

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

```
.background{ background-color: rgb(201,  
156, 194) }
```

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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