

Converting Colors

XYZ(45.9105, 33.5389, 58.6975)

Have a look what the booklet for
XYZ(45.9105, 33.5389, 58.6975)
contains.

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Color

**XYZ(45.9105, 33.5389,
58.6975)**

Conversions

Conversions Part 1

Format	Color
Hex	D77EC8
RGB	215, 126, 200
RGB Percent	84%, 49%, 78%
CMY	0.1569, 0.5059, 0.2157
CMYK	0.00, 0.41, 0.07, 0.16
HSL	310°, 53%, 67%
HSV	310°, 41%, 84%
XYZ	45.9105, 33.5389, 58.6975
YIQ	161.0470, 29.2900, 41.8820

Conversions

Conversions Part 2

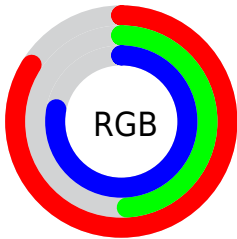
Format	Color
R_{YB}	215, 126, 200
Decimal	14122696
CIE _{Lab}	64.59, 44.92, -23.82
CIE _{LCh}	65, 50.840, 332.066
Yxy	33.5389, 0.3323, 0.2428
Android (android.graphics.Color)	4292312776 (0xFFD77EC8)
YUV	161.0470, 19.2038, 47.3168
Hunter-Lab	57.9128, 40.1590, -19.5544

Details

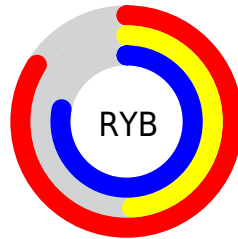
The XYZ color **45.9105, 33.5389, 58.6975** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.7138, 54.9607, 33.8222**, and the grayscale version is **33.8032, 35.5636, 38.7287**.

A 20% lighter version of the original color is **75.8139, 61.5277, 102.4880**, and **21.9352, 14.3438, 28.8067** is the 20% darker color. If you saturate the color by 10%, you get **43.0327, 28.4526, 55.6736**, and if you desaturate by 10%, it is **49.3912, 39.8138, 61.9726**.

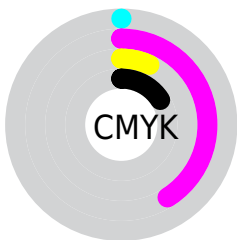
Distribution



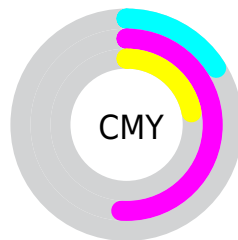
- Red (84%)
- Green (49%)
- Blue (78%)



- Red (84%)
- Yellow (49%)
- Blue (78%)



- Cyan (0%)
- Magenta (41%)
- Yellow (7%)
- Black (16%)





- Cyan (16%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9105, 33.5389, 58.6975 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 45.9105, 33.5389, 58.6975 by changing the saturation by 10% instead.


 45.9105, 33.5389,
58.6975


 45.9105, 33.5389,
58.6975

361.1707,
318.0711, 437.4506


 32.3795, 22.5396,
41.9512


 83.3137, 65.2160,
104.4627

 21.8085, 14.2539,
28.7378


 107.9167, 86.6625,
134.3187

 13.8321, 8.2975,
18.6387


 136.9410,
112.3603, 169.3817

 8.0849, 4.2859,
11.2354

170.7521,
142.6937, 210.0702

 4.2016, 1.8347,
6.1092

209.7152,
178.0471, 256.8029

 1.8168, 0.5087,
2.8417

254.1958,

 0.5278, 0.0000,

218.8048, 309.9981

1.0144

304.5592,
265.3514, 370.0745

■ 0.0000, 0.0000,
0.0000

■ 45.9105, 33.5389,
58.6975

■ 45.9105, 33.5389,
58.6975

■ 43.0327, 28.4526,
55.6736

■ 49.3912, 39.8138,
61.9726

■ 40.7164, 24.4737,
52.8857

■ 53.5065, 47.3423,
65.5088

■ 38.9198, 21.5186,
50.3199


■ 58.2896, 56.1902,
69.3177


■ 37.5940, 19.4893,
47.9595


■ 63.7706, 66.4174,
73.4098


■ 36.6805, 18.2689,
45.7848

■ 69.9775, 78.0800,
77.7948

 36.1373, 17.6923,
44.0323

 76.9351, 91.2274,
82.4811

 77.4255, 91.4236,
85.0632

 77.9263, 91.6239,
87.7006

 78.4377, 91.8285,
90.3936

Harmonies

Analogous

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



39.9002, 33.5389, 82.1064



45.9105, 33.5389, 58.6975



48.0098, 33.5389, 35.0923

Triad

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



45.9105, 33.5389, 58.6975



31.3759, 33.5389, 9.3224



21.4273, 33.5389, 62.1989

Complementary

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



45.9105, 33.5389, 58.6975



37.7138, 54.9607, 33.8222

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.



19.8369, 33.5389, 37.9822



45.9105, 33.5389, 58.6975



25.0098, 33.5389, 11.9937

Square

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



45.9105, 33.5389, 58.6975



38.8939, 33.5389, 11.3190



21.0425, 33.5389, 20.7755



25.7605, 33.5389, 84.6112

Rectangle

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



45.9105, 33.5389, 58.6975



46.6871, 33.5389, 23.4350



21.0425, 33.5389, 20.7755



20.5867, 33.5389, 53.7407

Sweetspot

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



45.9116, 33.5404, 58.6982



85.2339, 81.6788, 101.5862



30.6843, 25.4779, 67.5912



18.0345, 17.0947, 21.5812



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.



45.9116, 33.5404, 58.6982



63.6751, 42.4806, 82.3167



41.4590, 31.7594, 35.2514



12.8590, 12.5951, 15.1975



21.6484, 10.5957, 26.5163



1.3301, 0.6488, 1.7277

Inverse Universe

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



45.9116, 33.5404, 58.6982



63.6751, 42.4806, 82.3167



41.6981, 56.5544, 54.8034



12.8590, 12.5951, 15.1975



21.6484, 10.5957, 26.5163



1.3301, 0.6488, 1.7277

Previews

White Background



This preview shows how the XYZ color 45.9105, 33.5389, 58.6975 looks on a white background.

Color Contrast Check

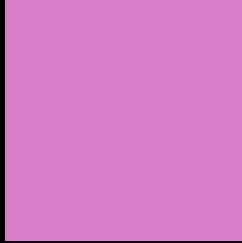
Large Text (above 18pt) WCAG AA × Fail

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 45.9105, 33.5389, 58.6975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

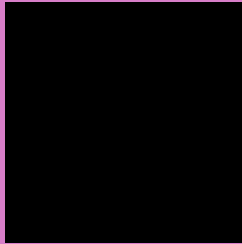
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9105, 33.5389, 58.6975

Background



This preview shows how black text looks on a background with the XYZ color 45.9105, 33.5389, 58.6975.



This preview shows how white text looks on a background with the XYZ color 45.9105, 33.5389,

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

45.9105, 33.5389, 58.6975

Protanopia

35.0595, 33.9509, 73.8126

Deuteranopia

34.5428, 33.8236, 56.3378



Tritanopia

40.5066, 33.5532, 31.9452

Trichromacy



Original Color

45.9105, 33.5389, 58.6975



Protanomaly

37.6279, 32.8009, 67.9663



Deuteranomaly

37.9558, 33.2078, 57.2326



Tritanomaly

42.1344, 33.3771, 40.2981

Monochromacy



Original Color

45.9105, 33.5389, 58.6975



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

37.3838, 34.0987, 45.1688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9105, 33.5389, 58.6975 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(215, 126, 200)` looks like.

```
.text, #text, p{  
    color:rgb(215, 126, 200)  
}
```

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(215, 126, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 126, 200) }
```

Border

The CSS property to change the border of an element to XYZ 45.9105, 33.5389, 58.6975 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(215, 126, 200) }
```


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

```
.border{ border-color:rgb(215, 126, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 126, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 126, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 126, 200);  
box-shadow:4px 4px 4px 4px rgb(215, 126,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9105, 33.5389, 58.6975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 126, 200) }
```

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

```
.background{ background-color: rgb(215,  
126, 200) }
```

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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