

Converting Colors

XYZ(45.8040, 35.4445, 40.4245)

Have a look what the booklet for XYZ(45.8040, 35.4445, 40.4245) contains.

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Color

**XYZ(45.8395, 35.4913,
40.5109)**

Conversions

Conversions Part 1

Format	Color
Hex	DF86A6
RGB	223, 134, 166
RGB Percent	87%, 53%, 65%
CMY	0.1255, 0.4745, 0.3490
CMYK	0.00, 0.40, 0.26, 0.13
HSL	338°, 58%, 70%
HSV	338°, 40%, 87%
XYZ	45.8395, 35.4913, 40.5109
YIQ	164.2590, 42.7720, 28.8200

Conversions

Conversions Part 2

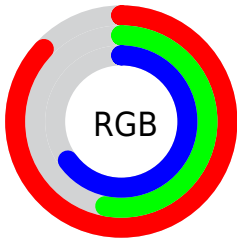
Format	Color
R _Y B	223, 134, 166
Decimal	14648998
CIE Lab	66.13, 38.10, -2.24
CIE LCh	66, 38.166, 356.629
Yxy	35.4913, 0.3762, 0.2913
Android (android.graphics.Color)	4292839078 (0xFFDF86A6)
YUV	164.2590, 0.8583, 51.5159
Hunter-Lab	59.5746, 33.0908, 1.3848

Details

The XYZ color **45.8395, 35.4913, 40.5109** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **45.6248, 61.6063, 58.7798**, and the grayscale version is **35.3926, 37.2357, 40.5497**.

A 20% lighter version of the original color is **72.4887, 62.8757, 76.7223**, and **21.7804, 15.3565, 17.7357** is the 20% darker color. If you saturate the color by 10%, you get **41.8378, 29.4693, 33.0679**, and if you desaturate by 10%, it is **50.6386, 42.8746, 48.9384**.

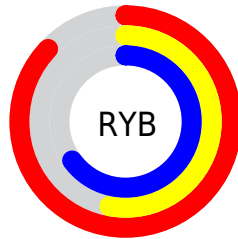
Distribution



Red (87%)

Green (53%)

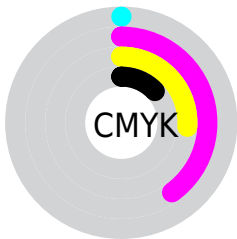
Blue (65%)



Red (87%)

Yellow (53%)

Blue (65%)

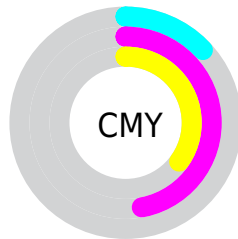


Cyan (0%)

Magenta (40%)

Yellow (26%)

Black (13%)



Cyan (13%)


Magenta (47%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8395, 35.4913, 40.5109 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 45.8395, 35.4913, 40.5109 by changing the saturation by 10% instead.


 45.8395, 35.4913,
40.5109


 45.8395, 35.4913,
40.5109

360.8898,
326.7316, 363.8882


 32.3233, 24.0416,
27.6203


 83.2081, 68.2462,
77.1864

 21.7653, 15.3645,
17.8031


 107.7911, 90.3201,
101.8085

 13.8002, 9.0756,
10.6407


 136.7939,
116.7042, 131.1781

 8.0626, 4.7905,
5.7147

170.5816,
147.7830, 165.7137

 4.1872, 2.1249,
2.6064

209.5197,
183.9407, 205.8340

 1.8086, 0.6786,
0.8958

253.9735,

 0.5228, 0.0000,

225.5617, 251.9575

0.0000

304.3084,
273.0306, 304.5027

■ 0.0000, 0.0000,
0.0000

■ 45.8395, 35.4913,
40.5109

■ 45.8395, 35.4913,
40.5109

■ 41.8378, 29.4693,
33.0679

■ 50.6386, 42.8746,
48.9384

■ 38.5845, 24.7192,
26.5686

■ 56.2742, 51.6910,
58.3845

■ 36.0298, 21.1488,
20.9721

■ 62.7863, 62.0134,
68.8844

■ 34.1159, 18.6513,
16.2332

■ 70.2114, 73.9083,
80.4706

■ 32.7751, 17.1001,
12.3015

■ 78.5840, 87.4381,
93.1743

■ 31.8931, 16.2762,
9.1092

■ 83.7144, 94.2172,
105.6179

■ 31.8860, 16.2698,
9.0827

■ 84.2416, 94.4281,
108.3942

Harmonies

Analogous

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



43.6902, 35.4913, 58.5063



45.8395, 35.4913, 40.5109



44.4570, 35.4913, 26.2626

Triad

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



45.8395, 35.4913, 40.5109



29.0757, 35.4913, 16.9007



28.0807, 35.4913, 71.0539

Complementary

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



45.8395, 35.4913, 40.5109



45.6248, 61.6063, 58.7798

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.



24.8898, 35.4913, 54.4092



45.8395, 35.4913, 40.5109



25.4174, 35.4913, 23.8783

Square

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



45.8395, 35.4913, 40.5109



34.3791, 35.4913, 15.0910



23.9718, 35.4913, 36.8353



33.0958, 35.4913, 78.9830

Rectangle

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



45.8395, 35.4913, 40.5109



41.7945, 35.4913, 20.0895



23.9718, 35.4913, 36.8353



26.7818, 35.4913, 66.0992

Sweetspot

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



45.8405, 35.4930, 40.5116



83.0567, 80.8080, 90.1215



43.1728, 33.3742, 73.9789



17.5216, 16.8895, 18.8801



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.



45.8405, 35.4930, 40.5116



57.4694, 41.0843, 46.2900



44.9942, 37.9276, 27.5056



13.9098, 13.7816, 15.2953



18.7976, 9.5860, 5.6000



1.3447, 0.6812, 0.6083

Inverse Universe

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



45.8405, 35.4930, 40.5116



57.4694, 41.0843, 46.2900



46.4795, 57.0520, 78.3749



13.9098, 13.7816, 15.2953



18.7976, 9.5860, 5.6000



1.3447, 0.6812, 0.6083

Previews

White Background



This preview shows how the XYZ color 45.8395, 35.4913, 40.5109 looks on a white background.

Color Contrast Check

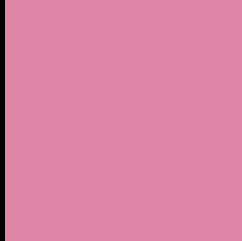
Large Text (above 18pt) WCAG AA × Fail

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 45.8395, 35.4913, 40.5109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

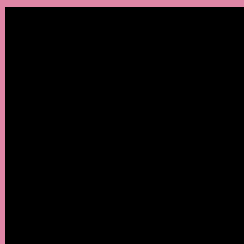
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8395, 35.4913, 40.5109

Background



This preview shows how black text looks on a background with the XYZ color 45.8395, 35.4913, 40.5109.



This preview shows how white text looks on a background with the XYZ color 45.8395, 35.4913,

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

45.8395, 35.4913, 40.5109

Protanopia

35.1149, 35.7881, 49.3130

Deuteranopia

36.3146, 35.6157, 39.1429



Tritanopia

44.1097, 35.4016, 32.5253

Trichromacy



Original Color

45.8395, 35.4913, 40.5109

Protanomaly

38.1945, 35.2129, 45.8580

Deuteranomaly

39.1931, 35.1616, 39.3715

Tritanomaly

44.8448, 35.5045, 35.4998

Monochromacy



Original Color

45.8395, 35.4913, 40.5109

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.1903, 35.8134, 40.4971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8395, 35.4913, 40.5109 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(223, 134, 166)` looks like.

```
.text, #text, p{  
    color:rgb(223, 134, 166)  
}
```

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(223, 134, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 134, 166) }
```

Border

The CSS property to change the border of an element to XYZ 45.8395, 35.4913, 40.5109 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(223, 134, 166) }
```


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

```
.border{ border-color:rgb(223, 134, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 134, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 134, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 134, 166);  
box-shadow:4px 4px 4px 4px rgb(223, 134,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8395, 35.4913, 40.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 134, 166) }
```

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

```
.background{ background-color: rgb(223,  
134, 166) }
```

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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