

Converting Colors

XYZ(45.4347, 31.8476, 38.7832)

Have a look what the booklet for
XYZ(45.4347, 31.8476, 38.7832)
contains.

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Color

**XYZ(45.5794, 31.9941,
38.8951)**

Conversions

Conversions Part 1

Format	Color
Hex	E674A4
RGB	230, 116, 164
RGB Percent	90%, 45%, 64%
CMY	0.0980, 0.5451, 0.3569
CMYK	0.00, 0.50, 0.29, 0.10
HSL	335°, 70%, 68%
HSV	335°, 50%, 90%
XYZ	45.5794, 31.9941, 38.8951
YIQ	155.5580, 52.5360, 39.0960

Conversions

Conversions Part 2

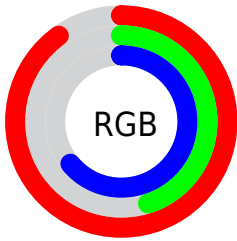
Format	Color
R _Y B	230, 116, 164
Decimal	15103140
CIE Lab	63.34, 49.39, -5.12
CIE LCh	63, 49.654, 354.083
Yxy	31.9941, 0.3913, 0.2747
Android (android.graphics.Color)	4293293220 (0xFFE674A4)
YUV	155.5580, 4.1619, 65.2856
Hunter-Lab	56.5633, 44.8516, -1.1757

Details

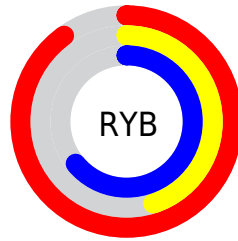
The XYZ color **45.5794, 31.9941, 38.8951** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **43.9444, 63.6850, 54.2357**, and the grayscale version is **31.3698, 33.0035, 35.9408**.

A 20% lighter version of the original color is **68.5891, 55.5003, 74.1154**, and **21.6605, 13.3858, 16.7713** is the 20% darker color. If you saturate the color by 10%, you get **42.1085, 26.8770, 32.1123**, and if you desaturate by 10%, it is **49.8343, 38.4772, 46.5612**.

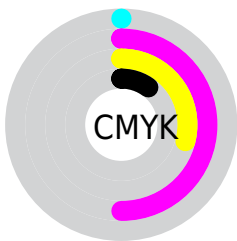
Distribution



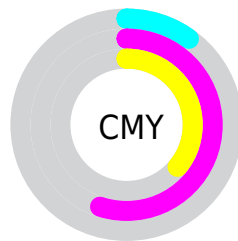
- Red (90%)
- Green (45%)
- Blue (64%)



- Red (90%)
- Yellow (45%)
- Blue (64%)



- Cyan (0%)
- Magenta (50%)
- Yellow (29%)
- Black (10%)





- Cyan (10%)
- Magenta (55%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5794, 31.9941, 38.8951 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 45.5794, 31.9941, 38.8951 by changing the saturation by 10% instead.


 45.5794, 31.9941,
38.8951


 45.5794, 31.9941,
38.8951


359.8595,
311.0924, 356.8569

 32.1173, 21.3570,
26.3709


 82.8209, 62.8018,
74.6966

 21.6071, 13.3852,
16.8731


 107.3310, 83.7413,
98.8110

 13.6834, 7.6943,
9.9830


 136.2544,
108.8836, 127.6260

 7.9811, 3.9000,
5.2823

169.9566,
138.6132, 161.5599

 4.1345, 1.6178,
2.3522

208.8028,
173.3145, 201.0315

 1.7785, 0.3695,
0.7602

253.1585,

 0.5047, 0.0000,

213.3718, 246.4591

0.0000

303.3889,
259.1697, 298.2614

■ 0.0000, 0.0000,
0.0000

■ 45.5794, 31.9941,
38.8951

■ 45.5794, 31.9941,
38.8951

■ 42.1085, 26.8770,
32.1123

■ 49.8343, 38.4772,
46.5612

■ 39.3656, 23.0209,
26.1741

■ 54.9184, 46.4115,
55.1429

■ 37.2914, 20.3131,
21.0411

■ 60.8767, 55.8810,
64.6729

■ 35.8147, 18.6185,
16.6685

■ 67.7499, 66.9617,
75.1817

■ 34.8214, 17.7158,
12.9960

■ 75.5760, 79.7246,
86.6980

■ 34.7833, 17.6831,
12.8490

■ 84.3911, 94.2365,
99.2495

■ 86.4433, 95.5631,
108.4972

Harmonies

Analogous

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



42.4479, 31.9941, 62.1648



45.5794, 31.9941, 38.8951



44.1764, 31.9941, 21.5359

Triad

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



45.5794, 31.9941, 38.8951



25.3182, 31.9941, 10.4120



23.2821, 31.9941, 75.4759

Complementary

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



45.5794, 31.9941, 38.8951



43.9444, 63.6850, 54.2357

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.



19.8485, 31.9941, 52.7223



45.5794, 31.9941, 38.8951



20.8939, 31.9941, 16.9847

Square

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



45.5794, 31.9941, 38.8951



31.7955, 31.9941, 9.0868



19.0452, 31.9941, 31.0699



29.0642, 31.9941, 87.8336

Rectangle

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



45.5794, 31.9941, 38.8951



40.9515, 31.9941, 14.5481



19.0452, 31.9941, 31.0699



21.8522, 31.9941, 68.4539

Sweetspot

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



45.5803, 31.9957, 38.8957



80.6756, 76.6318, 87.5210



39.4922, 27.9813, 78.1827



16.8823, 15.7820, 18.1395



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.



45.5803, 31.9957, 38.8957



53.3038, 34.0949, 40.7651



42.9444, 32.4009, 20.5155



14.6275, 14.4682, 16.2387



19.7503, 10.0343, 7.5799



1.5050, 0.7597, 0.8000

Inverse Universe

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



45.5803, 31.9957, 38.8957



53.3038, 34.0949, 40.7651



47.7142, 61.8824, 84.2930



14.6275, 14.4682, 16.2387



19.7503, 10.0343, 7.5799



1.5050, 0.7597, 0.8000

Previews

White Background



This preview shows how the XYZ color 45.5794, 31.9941, 38.8951 looks on a white background.

Color Contrast Check

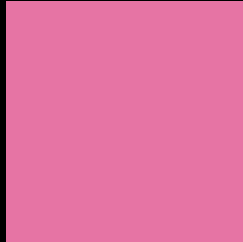
Large Text (above 18pt) WCAG AA × Fail

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 45.5794, 31.9941, 38.8951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

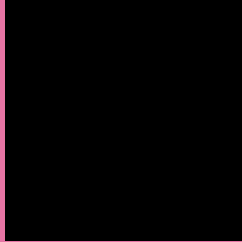
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5794, 31.9941, 38.8951

Background



This preview shows how black text looks on a background with the XYZ color 45.5794, 31.9941, 38.8951.



This preview shows how white text looks on a background with the XYZ color 45.5794, 31.9941,

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

45.5794, 31.9941, 38.8951

Protanopia

32.0519, 32.1553, 51.5310

Deuteranopia

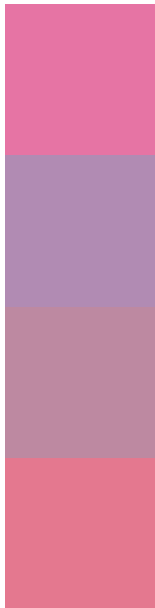
32.7313, 32.1051, 37.2727



Tritanopia

42.7348, 31.8887, 25.3755

Trichromacy



Original Color

45.5794, 31.9941, 38.8951

Protanomaly

35.5008, 31.0670, 46.7733

Deuteranomaly

36.3649, 31.2833, 37.8399

Tritanomaly

43.6693, 31.9101, 29.8442

Monochromacy



Original Color

45.5794, 31.9941, 38.8951

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.3113, 31.6202, 37.0431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5794, 31.9941, 38.8951 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(230, 116, 164)` looks like.

```
.text, #text, p{  
    color:rgb(230, 116, 164)  
}
```

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(230, 116, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 116, 164) }
```

Border

The CSS property to change the border of an element to XYZ 45.5794, 31.9941, 38.8951 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(230, 116, 164) }
```


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

```
.border{ border-color:rgb(230, 116, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 116, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 116, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 116, 164);  
box-shadow:4px 4px 4px 4px rgb(230, 116,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5794, 31.9941, 38.8951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 116, 164) }
```

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

```
.background{ background-color: rgb(230,  
116, 164) }
```

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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