

Converting Colors

XYZ(45.1610, 30.9661, 34.4844)

Have a look what the booklet for
XYZ(45.1610, 30.9661, 34.4844)
contains.

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Color

**XYZ(45.2051, 31.0591,
34.6228)**

Conversions

Conversions Part 1

Format	Color
Hex	E96F9B
RGB	233, 111, 155
RGB Percent	91%, 44%, 61%
CMY	0.0863, 0.5647, 0.3922
CMYK	0.00, 0.52, 0.33, 0.09
HSL	338°, 73%, 67%
HSV	338°, 52%, 91%
XYZ	45.2051, 31.0591, 34.6228
YIQ	152.4940, 58.5880, 39.5480

Conversions

Conversions Part 2

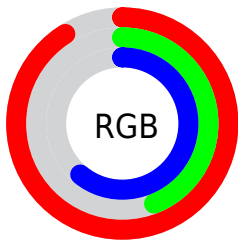
Format	Color
R_{YB}	233, 111, 155
Decimal	15298459
CIE Lab	62.56, 51.68, -1.07
CIE LCh	63, 51.690, 358.818
Yxy	31.0591, 0.4077, 0.2801
Android (android.graphics.Color)	4293488539 (0xFFE96F9B)
YUV	152.4940, 1.2355, 70.6038
Hunter-Lab	55.7307, 47.2588, 2.1775

Details

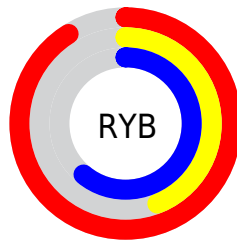
The XYZ color **45.2051, 31.0591, 34.6228** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **44.8814, 65.3322, 58.3927**, and the grayscale version is **30.0367, 31.6009, 34.4134**.

A 20% lighter version of the original color is **66.3848, 53.1359, 67.0790**, and **21.3684, 12.8265, 14.4462** is the 20% darker color. If you saturate the color by 10%, you get **41.8113, 26.1516, 27.6950**, and if you desaturate by 10%, it is **49.4180, 37.3573, 42.5858**.

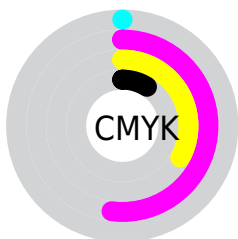
Distribution



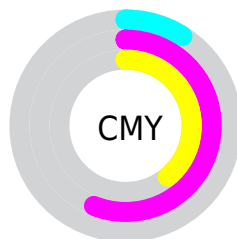
- Red (91%)
- Green (44%)
- Blue (61%)



- Red (91%)
- Yellow (44%)
- Blue (61%)



- Cyan (0%)
- Magenta (52%)
- Yellow (33%)
- Black (9%)





- Cyan (9%)
- Magenta (56%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2051, 31.0591, 34.6228 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 45.2051, 31.0591, 34.6228 by changing the saturation by 10% instead.


 45.2051, 31.0591,
34.6228


 45.2051, 31.0591,
34.6228


358.3733,
306.8105, 337.7538


 31.8210, 20.6439,
23.0912


 82.2633, 61.3331,
68.0459


 21.3797, 12.8639,
14.4550


 106.6680, 81.9607,
90.7746

 13.5159, 7.3349,
8.2954

 135.4770,
106.7611, 118.0727

 7.8642, 3.6724,
4.1941

 169.0557,
136.1188, 150.3588

 4.0592, 1.4921,
1.7324

207.7692,
170.4182, 188.0514

 1.7357, 0.2831,
0.3828

251.9831,

 0.4785, 0.0000,

210.0437, 231.5691

0.0000

302.0627,
255.3797, 281.3303

■ 0.0000, 0.0000,
0.0000

■ 45.2051, 31.0591,
34.6228

■ 45.2051, 31.0591,
34.6228

■ 41.8113, 26.1516,
27.6950

■ 49.4180, 37.3573,
42.5858

■ 39.1756, 22.5225,
21.7535

■ 54.4996, 45.1377,
51.6259

■ 37.2322, 20.0495,
16.7476


■ 60.4988, 54.4895,
61.7846

■ 35.9018, 18.5837,
12.6195

■ 67.4596, 65.4932,
73.1005

■ 35.2055, 17.9641,
10.0046

■ 75.4234, 78.2241,
85.6101

 84.4290, 92.7527,
99.3484

 87.4143, 96.0636,
108.5427

Harmonies

Analogous

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



42.6633, 31.0591, 58.0866



45.2051, 31.0591, 34.6228



43.0206, 31.0591, 18.3773

Triad

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



45.2051, 31.0591, 34.6228



23.4717, 31.0591, 9.9735



23.0597, 31.0591, 78.9353

Complementary

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



45.2051, 31.0591, 34.6228



44.8814, 65.3322, 58.3927

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.



19.1893, 31.0591, 56.1257



45.2051, 31.0591, 34.6228



19.3993, 31.0591, 17.4717

Square

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



45.2051, 31.0591, 34.6228



29.8004, 31.0591, 7.9994



17.9622, 31.0591, 33.0259



29.2428, 31.0591, 89.1769

Rectangle

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



45.2051, 31.0591, 34.6228



39.3473, 31.0591, 12.2462



17.9622, 31.0591, 33.0259



21.4837, 31.0591, 72.1300

Sweetspot

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



45.2060, 31.0607, 34.6234



79.4680, 75.1067, 84.3740



41.1987, 27.9793, 80.3199



16.6300, 15.4759, 17.4431



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.



45.2060, 31.0607, 34.6234



50.9647, 31.6041, 33.2421



44.0986, 33.7208, 19.2255



15.2899, 15.1438, 16.8120



20.0304, 10.2148, 5.9613



1.6175, 0.8200, 0.7031

Inverse Universe

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



45.2060, 31.0607, 34.6234



50.9647, 31.6041, 33.2421



46.0089, 58.7520, 86.0062



15.2899, 15.1438, 16.8120



20.0304, 10.2148, 5.9613



1.6175, 0.8200, 0.7031

Previews

White Background



This preview shows how the XYZ color 45.2051, 31.0591, 34.6228 looks on a white background.

Color Contrast Check

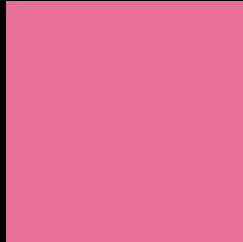
Large Text (above 18pt) WCAG AA × Fail

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 45.2051, 31.0591, 34.6228 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 45.2051, 31.0591, 34.6228

Background



This preview shows how black text looks on a background with the XYZ color 45.2051, 31.0591, 34.6228.



This preview shows how white text looks on a background with the XYZ color 45.2051, 31.0591,

34.6228.

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

45.2051, 31.0591, 34.6228

Protanopia

30.8971, 31.1784, 47.0374

Deuteranopia

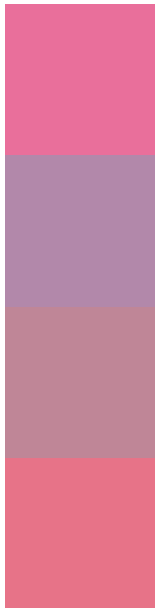
31.7949, 31.2529, 32.7904



Tritanopia

42.6961, 31.0262, 23.1404

Trichromacy



Original Color

45.2051, 31.0591, 34.6228

Protanomaly

34.4200, 29.9756, 42.0019

Deuteranomaly

35.5969, 30.3609, 33.2622

Tritanomaly

43.5297, 31.0280, 26.9873

Monochromacy



Original Color

45.2051, 31.0591, 34.6228

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

33.7515, 30.0150, 34.1516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2051, 31.0591, 34.6228 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(233, 111, 155)` looks like.

```
.text, #text, p{  
    color:rgb(233, 111, 155)  
}
```

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(233, 111, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 111, 155) }
```

Border

The CSS property to change the border of an element to XYZ 45.2051, 31.0591, 34.6228 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(233, 111, 155) }
```


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

```
.border{ border-color:rgb(233, 111, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 111, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 111, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 111, 155);  
box-shadow:4px 4px 4px 4px rgb(233, 111,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2051, 31.0591, 34.6228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 111, 155) }
```

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

```
.background{ background-color: rgb(233,  
111, 155) }
```

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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