

Converting Colors

XYZ(48.0262, 33.1244, 58.4129)

Have a look what the booklet for
XYZ(48.0262, 33.1244, 58.4129)
contains.

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Color

**XYZ(47.9551, 33.1345,
58.5117)**

Conversions

Conversions Part 1

Format	Color
Hex	E176C8
RGB	225, 118, 200
RGB Percent	88%, 46%, 78%
CMY	0.1176, 0.5372, 0.2157
CMYK	0.00, 0.48, 0.11, 0.12
HSL	314°, 64%, 67%
HSV	314°, 48%, 88%
XYZ	47.9551, 33.1345, 58.5117
YIQ	159.3410, 37.4500, 48.1860

Conversions

Conversions Part 2

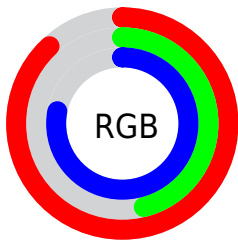
Format	Color
R _Y B	225, 118, 200
Decimal	14776008
CIE Lab	64.27, 52.06, -24.21
CIE LCh	64, 57.410, 335.063
Yxy	33.1345, 0.3435, 0.2374
Android (android.graphics.Color)	4292966088 (0xFFE176C8)
YUV	159.3410, 20.0449, 57.5829
Hunter-Lab	57.5626, 47.9730, -19.9738

Details

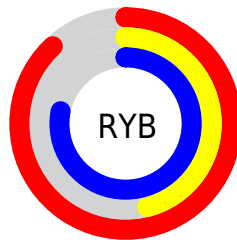
The XYZ color **47.9551, 33.1345, 58.5117** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.3558, 59.6863, 35.4352**, and the grayscale version is **33.0108, 34.7299, 37.8209**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **22.9581, 13.9576, 28.6782** is the 20% darker color. If you saturate the color by 10%, you get **45.0109, 28.2120, 54.5509**, and if you desaturate by 10%, it is **51.5544, 39.3322, 62.7957**.

Distribution



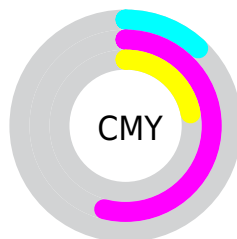
- Red (88%)
- Green (46%)
- Blue (78%)



- Red (88%)
- Yellow (46%)
- Blue (78%)



- Cyan (0%)
- Magenta (48%)
- Yellow (11%)
- Black (12%)



- Cyan (12%)
- Magenta (54%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9551, 33.1345, 58.5117 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 47.9551, 33.1345, 58.5117 by changing the saturation by 10% instead.

47.9551, 33.1345,
58.5117

47.9551, 33.1345,
58.5117

369.1997,
316.2554, 436.7413

34.0024, 22.2295,
41.8027

86.3476, 64.5855,
104.1898

23.0584, 14.0256,
28.6224

111.5182, 85.9002,
133.9960

14.7575, 8.1385,
18.5523

141.1589,
111.4537, 169.0050

8.7346, 4.1837,
11.1737

175.6348,
141.6302, 209.6354

4.6242, 1.7768,
6.0681

215.3116,
176.8143, 256.3056

2.0610, 0.4727,
2.8171

260.5544,

0.6679, 0.0000,

217.3902, 309.4344

1.0020

311.7286,
263.7425, 369.4401

■ 0.0000, 0.0000,
0.0000

■ 47.9551, 33.1345,
58.5117

■ 47.9551, 33.1345,
58.5117

■ 45.0109, 28.2120,
54.5509

■ 51.5544, 39.3322,
62.7957

■ 42.6727, 24.4688,
50.8951

■ 55.8471, 46.8830,
67.4158

■ 40.8897, 21.8027,
47.5265


■ 60.8719, 55.8638,
72.3863


■ 39.6008, 20.0920,
44.4237


■ 66.6641, 66.3444,
77.7197


■ 38.7236, 19.1721,
41.5581


■ 73.2564, 78.3902,
83.4282

 38.5392, 19.0027,
40.8822

 80.6797, 92.0625,
89.5228

 82.0688, 93.6306,
93.7162

 82.8476, 93.9421,
97.8172

 83.6491, 94.2627,
102.0378

Harmonies

Analogous

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



41.3853, 33.1345, 86.7184



47.9551, 33.1345, 58.5117



49.8326, 33.1345, 32.2588

Triad

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



47.9551, 33.1345, 58.5117



30.1300, 33.1345, 7.2894



20.3252, 33.1345, 68.5057

Complementary

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



47.9551, 33.1345, 58.5117



39.3558, 59.6863, 35.4352

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.



18.3162, 33.1345, 40.1870



47.9551, 33.1345, 58.5117



23.3184, 33.1345, 10.3937

Square

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



47.9551, 33.1345, 58.5117



38.5764, 33.1345, 8.7594



19.3094, 33.1345, 20.2657



25.3352, 33.1345, 94.0244

Rectangle

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



47.9551, 33.1345, 58.5117



47.9358, 33.1345, 20.2048



19.3094, 33.1345, 20.2657



19.3199, 33.1345, 58.6354

Sweetspot

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



47.9562, 33.1360, 58.5124



83.3857, 78.7740, 98.5296



31.3925, 24.2315, 74.2575



17.5030, 16.2385, 20.7660



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.



47.9562, 33.1360, 58.5124



59.8344, 37.5590, 72.5291



42.7610, 31.0580, 31.1550



14.1509, 13.8780, 16.5647



22.2550, 10.9690, 23.8062



1.5762, 0.7738, 1.8272

Inverse Universe

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



47.9562, 33.1360, 58.5124



59.8344, 37.5590, 72.5291



44.4147, 61.7098, 62.0751



14.1509, 13.8780, 16.5647



22.2550, 10.9690, 23.8062



1.5762, 0.7738, 1.8272

Previews

White Background



This preview shows how the XYZ color 47.9551, 33.1345, 58.5117 looks on a white background.

Color Contrast Check

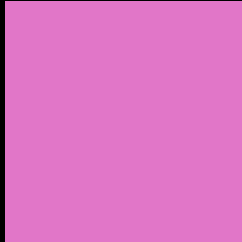
Large Text (above 18pt) WCAG AA × Fail

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 47.9551, 33.1345, 58.5117 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 47.9551, 33.1345, 58.5117

Background



This preview shows how black text looks on a background with the XYZ color 47.9551, 33.1345, 58.5117.



This preview shows how white text looks on a background with the XYZ color 47.9551, 33.1345,

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

47.9551, 33.1345, 58.5117

Protanopia

34.9364, 33.5628, 77.3100

Deuteranopia

34.0777, 33.3529, 55.6806



Tritanopia

41.8375, 33.0611, 29.3757

Trichromacy



Original Color

47.9551, 33.1345, 58.5117



Protanomaly

37.7751, 32.1665, 69.8634



Deuteranomaly

37.9323, 32.3254, 56.4647



Tritanomaly

43.8012, 32.9025, 38.2247

Monochromacy



Original Color

47.9551, 33.1345, 58.5117



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

37.1417, 33.0698, 44.4699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9551, 33.1345, 58.5117 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(225, 118, 200)` looks like.

```
.text, #text, p{  
    color:rgb(225, 118, 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(225, 118, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 118, 200) }
```

Border

The CSS property to change the border of an element to XYZ 47.9551, 33.1345, 58.5117 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(225, 118, 200) }
```


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

```
.border{ border-color:rgb(225, 118, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 118, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 118, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 118, 200); box-shadow:4px 4px 4px 4px rgb(225, 118, 200) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9551, 33.1345, 58.5117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 118, 200) }
```

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

```
.background{ background-color: rgb(225,  
118, 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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