

Converting Colors

XYZ(48.6362, 33.6830, 45.6066)

Have a look what the booklet for
XYZ(48.6362, 33.6830, 45.6066)
contains.

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Color

**XYZ(48.5581, 33.5591,
45.5132)**

Conversions

Conversions Part 1

Format	Color
Hex	EB75B1
RGB	235, 117, 177
RGB Percent	92%, 46%, 69%
CMY	0.0784, 0.5412, 0.3059
CMYK	0.00, 0.50, 0.25, 0.08
HSL	329°, 75%, 69%
HSV	329°, 50%, 92%
XYZ	48.5581, 33.5591, 45.5132
YIQ	159.1220, 51.0680, 43.6760

Conversions

Conversions Part 2

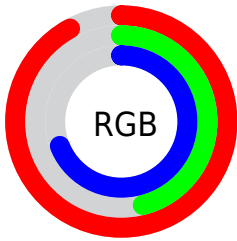
Format	Color
R_{YB}	235, 117, 177
Decimal	15431089
CIE _{Lab}	64.61, 52.25, -10.55
CIE _{LCh}	65, 53.303, 348.579
Yxy	33.5591, 0.3805, 0.2629
Android (android.graphics.Color)	4293621169 (0xFFEB75B1)
YUV	159.1220, 8.8139, 66.5450
Hunter-Lab	57.9302, 48.2439, -6.0304

Details

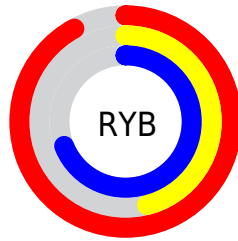
The XYZ color **48.5581, 33.5591, 45.5132** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **44.7840, 66.2948, 50.9966**, and the grayscale version is **32.9561, 34.6724, 37.7583**.

A 20% lighter version of the original color is **70.7005, 56.6482, 84.2987**, and **23.3201, 14.2404, 20.5883** is the 20% darker color. If you saturate the color by 10%, you get **45.0526, 28.3132, 38.9025**, and if you desaturate by 10%, it is **52.8502, 40.2216, 52.8676**.

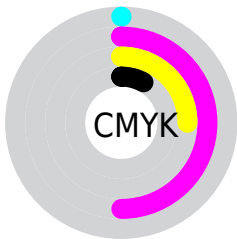
Distribution



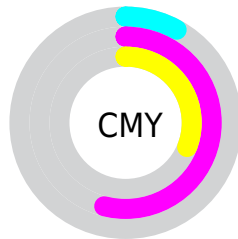
- Red (92%)
- Green (46%)
- Blue (69%)



- Red (92%)
- Yellow (46%)
- Blue (69%)



- Cyan (0%)
- Magenta (50%)
- Yellow (25%)
- Black (8%)





- Cyan (8%)
- Magenta (54%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5581, 33.5591, 45.5132 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 48.5581, 33.5591, 45.5132 by changing the saturation by 10% instead.


 48.5581, 33.5591,
45.5132

 48.5581, 33.5591,
45.5132

371.5459,
318.1616, 385.0686


 34.4822, 22.5551,
31.5160


 87.2395, 65.2474,
84.8166

 23.4289, 14.2653,
20.7303


 112.5756, 86.7006,
110.9598

 15.0329, 8.3054,
12.7377


 142.3958,
112.4055, 141.9888

 8.9290, 4.2910,
7.1196

177.0655,
142.7467, 178.3220

 4.7516, 1.8376,
3.4574

216.9500,
178.1085, 220.3781

 2.1355, 0.5105,
1.3327

262.4147,

 0.7084, 0.0000,

218.8753, 268.5755

0.0883

313.8249,
265.4316, 323.3329

■ 0.0000, 0.0000,
0.0000

■ 48.5581, 33.5591,
45.5132

■ 48.5581, 33.5591,
45.5132

■ 45.0526, 28.3132,
38.9025

■ 52.8502, 40.2216,
52.8676

■ 42.2759, 24.3731,
33.0035

■ 57.9753, 48.3906,
60.9918

■ 40.1666, 21.6195,
27.7837


■ 63.9794, 58.1544,
69.9123


■ 38.6505, 19.9084,
23.2055

■ 70.9043, 69.5931,
79.6538

■ 37.6202, 19.0059,
19.2919

■ 78.7889, 82.7812,
90.2398

 86.7032, 95.8551,
101.3701

 88.0711, 96.4023,
108.5734

Harmonies

Analogous

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



44.2197, 33.5591, 72.0084



48.5581, 33.5591, 45.5132



47.9330, 33.5591, 24.7152

Triad

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



48.5581, 33.5591, 45.5132



27.4446, 33.5591, 9.4211



23.1374, 33.5591, 78.0015

Complementary

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



48.5581, 33.5591, 45.5132



44.7840, 66.2948, 50.9966

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.



19.9075, 33.5591, 51.6387



48.5581, 33.5591, 45.5132



22.1068, 33.5591, 15.1865

Square

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



48.5581, 33.5591, 45.5132



34.8929, 33.5591, 8.8814



19.5631, 33.5591, 28.8315



29.0775, 33.5591, 95.1821

Rectangle

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



48.5581, 33.5591, 45.5132



44.8040, 33.5591, 16.0934



19.5631, 33.5591, 28.8315



21.7423, 33.5591, 69.5270

Sweetspot

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



48.5591, 33.5608, 45.5138



81.1576, 76.8246, 90.0591



38.8214, 27.7253, 81.9031



16.9981, 15.8283, 18.7491



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.



48.5591, 33.5608, 45.5138



54.2085, 34.0496, 46.7846



43.9514, 31.7177, 21.2500



15.3851, 15.1819, 17.3131



21.0019, 10.6035, 11.0775



1.6978, 0.8521, 1.1257

Inverse Universe

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



48.5591, 33.5608, 45.5138



54.2085, 34.0496, 46.7846



51.7584, 69.0845, 87.7230



15.3851, 15.1819, 17.3131



21.0019, 10.6035, 11.0775



1.6978, 0.8521, 1.1257

Previews

White Background



This preview shows how the XYZ color 48.5581, 33.5591, 45.5132 looks on a white background.

Color Contrast Check

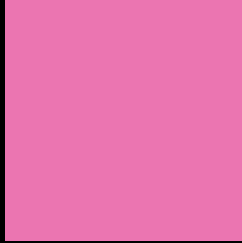
Large Text (above 18pt) WCAG AA × Fail

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 48.5581, 33.5591, 45.5132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

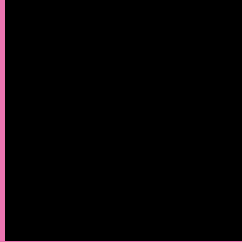
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5581, 33.5591, 45.5132

Background



This preview shows how black text looks on a background with the XYZ color 48.5581, 33.5591, 45.5132.



This preview shows how white text looks on a background with the XYZ color 48.5581, 33.5591,

45.5132.

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

48.5581, 33.5591, 45.5132

Protanopia

34.1779, 33.7742, 61.2176

Deuteranopia

34.4678, 33.8297, 43.2412



Tritanopia

44.7890, 33.6599, 27.0580

Trichromacy



Original Color

48.5581, 33.5591, 45.5132

Protanomaly

37.6226, 32.4098, 55.3117

Deuteranomaly

38.4068, 32.8497, 43.8515

Tritanomaly

45.8667, 33.5237, 32.9074

Monochromacy



Original Color

48.5581, 33.5591, 45.5132

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

37.3497, 33.2645, 40.5285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5581, 33.5591, 45.5132 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(235, 117, 177)` looks like.

```
.text, #text, p{  
    color:rgb(235, 117, 177)  
}
```

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(235, 117, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 117, 177) }
```

Border

The CSS property to change the border of an element to XYZ 48.5581, 33.5591, 45.5132 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(235, 117, 177) }
```


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

```
.border{ border-color:rgb(235, 117, 177) }
```

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

Here you see how a box with a 4 pixel rgb(235, 117, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 117, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 117, 177);  
box-shadow:4px 4px 4px 4px rgb(235, 117,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5581, 33.5591, 45.5132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 117, 177) }
```

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

```
.background{ background-color: rgb(235,  
117, 177) }
```

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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