

# Converting Colors

XYZ(50.6167, 32.9429, 64.1444)

Have a look what the booklet for  
XYZ(50.6167, 32.9429, 64.1444)  
contains.

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# Color

**XYZ(50.5815, 32.8644,  
63.9991)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E96DD1
RGB	233, 109, 209
RGB Percent	91%, 43%, 82%
CMY	0.0863, 0.5725, 0.1804
CMYK	0.00, 0.53, 0.10, 0.09
HSL	312°, 74%, 67%
HSV	312°, 53%, 91%
XYZ	50.5815, 32.8644, 63.9991
YIQ	157.4760, 41.8040, 57.3880

# Conversions

## Conversions Part 2

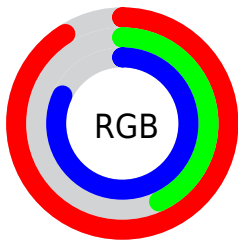
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 109, 209
Decimal	15298001
CIE <sub>Lab</sub>	64.05, 60.14, -29.51
CIE <sub>LCh</sub>	64, 66.991, 333.859
Yxy	32.8644, 0.3431, 0.2229
Android (android.graphics.Color)	4293488081 (0xFFE96DD1)
YUV	157.4760, 25.4013, 66.2345
Hunter-Lab	57.3275, 57.1720, -26.0608

# Details

The XYZ color **50.5815, 32.8644, 63.9991** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.6807, 63.2236, 32.3048**, and the grayscale version is **32.1393, 33.8131, 36.8224**.

A 20% lighter version of the original color is **72.7451, 55.3903, 101.4650**, and **24.7399, 13.9030, 31.9515** is the 20% darker color. If you saturate the color by 10%, you get **47.8670, 28.3158, 60.3784**, and if you desaturate by 10%, it is **53.9726, 38.7397, 67.9239**.

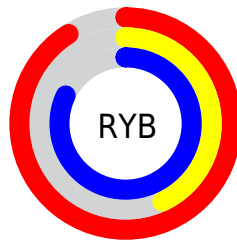
# Distribution



Red (91%)

Green (43%)

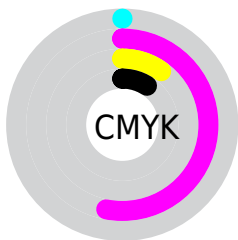
Blue (82%)



Red (91%)

Yellow (43%)

Blue (82%)

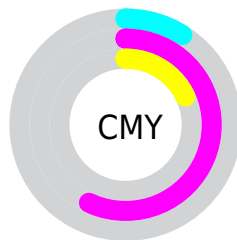


Cyan (0%)

Magenta (53%)

Yellow (10%)

Black (9%)



Cyan (9%)

Magenta (57%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5815, 32.8644, 63.9991 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 50.5815, 32.8644, 63.9991 by changing the saturation by 10% instead.





 50.5815, 32.8644,  
63.9991


 50.5815, 32.8644,  
63.9991


379.3501,  
315.0383, 457.3938

 36.0953, 22.0226,  
46.2038


 90.2225, 64.1638,  
112.2091


 24.6783, 13.8735,  
32.0568


 116.1081, 85.3901,  
143.4608

 15.9650, 8.0327,  
21.1397


 146.5242,  
110.8468, 180.0351

 9.5901, 4.1159,  
13.0339

 181.8362,  
140.9181, 222.3505

 5.1882, 1.7386,  
7.3209

222.4095,  
175.9885, 270.8255

 2.3940, 0.4485,  
3.5821

268.6093,

 0.8421, 0.0000,

216.4424, 325.8787

1.3990

320.8011,  
262.6642, 387.9286

■ 0.0000, 0.0000,  
0.1410

■ 0.0000, 0.0000,  
0.0000

■ 50.5815, 32.8644,  
63.9991

■ 50.5815, 32.8644,  
63.9991

■ 47.8670, 28.3158,  
60.3784

■ 53.9726, 38.7397,  
67.9239

■ 45.7724, 24.9826,  
57.0414

■ 58.0847, 46.0320,  
72.1674

■ 44.2372, 22.7433,  
53.9676

■ 62.9620, 54.8291,  
76.7452

■ 43.1866, 21.4485,  
51.1314

■ 68.6444, 65.2103,  
81.6712

■ 42.6710, 20.9504,  
49.3160

■ 75.1687, 77.2494,  
86.9583

■ 82.5697, 91.0156,  
92.6187

■ 85.1776, 95.1690,  
96.7630

■ 85.8582, 95.4412,  
100.3472

■ 86.5556, 95.7202,  
104.0197

# Harmonies

## Analogous

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



42.5095, 32.8644, 98.8354



50.5815, 32.8644, 63.9991



53.1325, 32.8644, 32.3899

# Triad

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



50.5815, 32.8644, 63.9991



30.0279, 32.8644, 4.9084



18.4333, 32.8644, 73.3733

# Complementary

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



50.5815, 32.8644, 63.9991



39.6807, 63.2236, 32.3048

# 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.



16.3734, 32.8644, 39.4068



50.5815, 32.8644, 63.9991



22.1568, 32.8644, 7.6117

# Square

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



50.5815, 32.8644, 63.9991



39.9575, 32.8644, 6.4291



17.5851, 32.8644, 17.3865



23.8870, 32.8644, 105.9016



# Rectangle

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



50.5815, 32.8644, 63.9991



51.0048, 32.8644, 18.5745



17.5851, 32.8644, 17.3865



17.3772, 32.8644, 61.2689

# Sweetspot

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



50.5826, 32.8659, 63.9998



82.1416, 76.1762, 98.4530



29.6524, 21.7064, 79.7183



17.2680, 15.7311, 20.8032



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.



50.5826, 32.8659, 63.9998



58.4246, 34.2296, 73.6307



44.4407, 30.4092, 31.6570



15.5825, 15.2609, 18.3529



24.2566, 11.9053, 28.2161



1.9367, 0.9477, 2.3842



# Inverse Universe

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



50.5826, 32.8659, 63.9998



58.4246, 34.2296, 73.6307



45.1546, 65.4131, 61.1297



15.5825, 15.2609, 18.3529



24.2566, 11.9053, 28.2161



1.9367, 0.9477, 2.3842



# Previews

## White Background



This preview shows how the XYZ color 50.5815, 32.8644, 63.9991 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

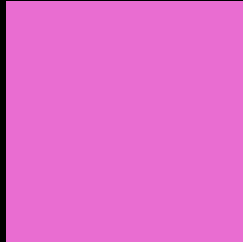
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.5815, 32.8644, 63.9991 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

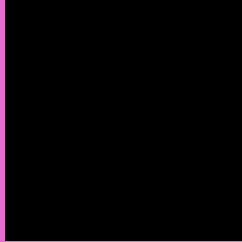
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.5815, 32.8644, 63.9991**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.5815, 32.8644, 63.9991.



This preview shows how white text looks on a background with the XYZ color 50.5815, 32.8644,



# 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

50.5815, 32.8644, 63.9991

### Protanopia

35.7464, 33.4517, 90.1607

### Deuteranopia

33.9060, 33.1577, 60.4902



## Tritanopia

42.9561, 32.7068, 27.3416

# Trichromacy



## Original Color

50.5815, 32.8644, 63.9991



## Protanomaly

38.2698, 31.3422, 79.6339



## Deuteranomaly

38.3252, 31.7641, 61.8687



## Tritanomaly

45.3222, 32.5713, 38.5485

# Monochromacy



## Original Color

50.5815, 32.8644, 63.9991



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

37.2221, 32.2050, 45.3287

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.5815, 32.8644, 63.9991 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, 109, 209)` looks like.

```
.text, #text, p{  
    color:rgb(233, 109, 209)  
}
```

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, 109, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 109, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 50.5815, 32.8644, 63.9991 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, 109, 209) }
```



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

```
.border{ border-color:rgb(233, 109, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 109, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 109, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 109, 209);  
box-shadow:4px 4px 4px 4px rgb(233, 109,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.5815, 32.8644, 63.9991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 109, 209) }
```

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

```
.background{ background-color: rgb(233,  
109, 209) }
```

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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