

Converting Colors

XYZ(139.2290, 100.0000,
49.0852)

Have a look what the booklet for
XYZ(139.2290, 100.0000, 49.0852)
contains.

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Color

**XYZ(67.8230, 63.1174,
45.6540)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC3A8
RGB	255, 195, 168
RGB Percent	100%, 76%, 66%
CMY	0.0000, 0.2353, 0.3412
CMYK	0.00, 0.24, 0.34, 0.00
HSL	19°, 100%, 83%
HSV	19°, 34%, 100%
XYZ	67.8230, 63.1174, 45.6540
YIQ	209.8620, 44.4270, 4.3230

Conversions

Conversions Part 2

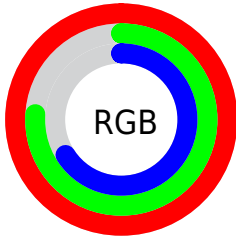
Format	Color
R _Y B	255, 207, 168
Decimal	16761768
CIE Lab	83.50, 17.91, 21.87
CIE LCh	84, 28.262, 50.685
Yxy	63.1174, 0.3841, 0.3574
Android (android.graphics.Color)	4294951848 (0xFFFFC3A8)
YUV	209.8620, -20.6380, 39.5860
Hunter-Lab	79.4465, 13.3532, 21.5415

Details

The XYZ color **67.8230, 63.1174, 45.6540** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.9408, 71.0291, 105.0531**, and the grayscale version is **61.2801, 64.4715, 70.2094**.

A 20% lighter version of the original color is **89.3697, 96.2085, 83.6719**, and **35.7032, 32.1810, 20.8528** is the 20% darker color. If you saturate the color by 10%, you get **61.9659, 54.8393, 33.1082**, and if you desaturate by 10%, it is **74.6132, 72.5158, 60.8103**.

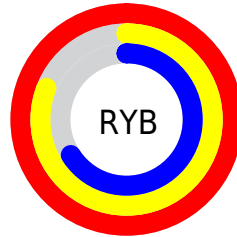
Distribution



Red (100%)

Green (76%)

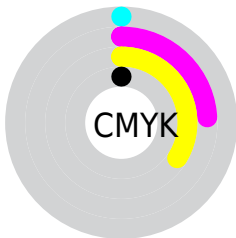
Blue (66%)



Red (100%)

Yellow (81%)

Blue (66%)

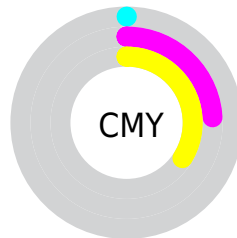


Cyan (0%)

Magenta (24%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (24%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8230, 63.1174, 45.6540 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 67.8230, 63.1174, 45.6540 by changing the saturation by 10% instead.


 67.8230, 63.1174,
45.6540


 67.8230, 63.1174,
45.6540


442.2552,
435.9954, 385.6530

 50.0269, 45.9362,
31.6262


 115.1422,
109.3389, 85.0298

 35.6527, 32.1955,
20.8137


 145.3960,
139.1479, 111.2148

 24.3349, 21.5108,
12.7980


180.5331,
173.9350, 142.2893

 15.7083, 13.4979,
7.1605

220.9188,
214.0846, 178.6718

 9.4075, 7.7723,
3.4827

266.9185,
259.9810, 220.7809

 5.0672, 3.9496,
1.3461

318.8976,

 2.3219, 1.6454,

312.0087, 269.0351

0.0991

377.2214,
370.5521, 323.8529

■ 0.8058, 0.3879,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.8230, 63.1174,
45.6540

■ 67.8230, 63.1174,
45.6540

■ 61.9659, 54.8393,
33.1082

■ 74.6132, 72.5158,
60.8103

■ 56.9936, 47.6296,
23.0197

■ 82.3721, 83.0661,
78.7108

■ 52.8607, 41.4453,
15.2250

■ 91.1392, 94.8097,
99.4844

■ 49.5151, 36.2367,
9.5392

95.0500, 100.0000,
108.9000

■ 46.8980, 31.9495,
5.7476

■ 44.9403, 28.5226,
3.5888

■ 44.0471, 26.8742,
2.8657

Harmonies

Analogous

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



71.7838, 63.1174, 57.4117



67.8230, 63.1174, 45.6540



61.9313, 63.1174, 40.3615

Triad

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



67.8230, 63.1174, 45.6540



49.0329, 63.1174, 63.3720



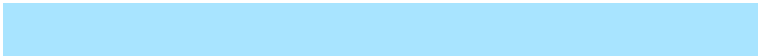
64.2785, 63.1174, 105.6468

Complementary

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



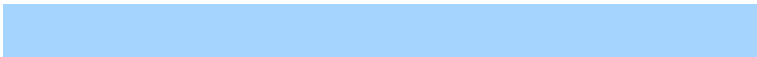
67.8230, 63.1174, 45.6540



61.9408, 71.0291, 105.0531

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.



58.0921, 63.1174, 107.9836



67.8230, 63.1174, 45.6540



49.5664, 63.1174, 81.4328

Square

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



67.8230, 63.1174, 45.6540



51.2759, 63.1174, 49.3732



52.7868, 63.1174, 98.4923



69.6420, 63.1174, 92.5670

Rectangle

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



67.8230, 63.1174, 45.6540



57.8191, 63.1174, 40.4604



52.7868, 63.1174, 98.4923



62.2170, 63.1174, 107.7931

Sweetspot

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



67.8246, 63.1204, 45.6553



85.8574, 87.7543, 86.9084



69.3719, 54.9174, 80.9997



18.1182, 18.4356, 17.9912



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.



67.8246, 63.1204, 45.6553



63.6948, 57.3036, 36.7481



78.7663, 85.0038, 49.3025



18.4693, 18.9068, 18.8203



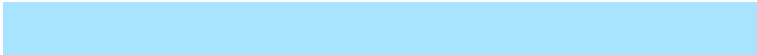
23.1316, 14.2744, 1.5361



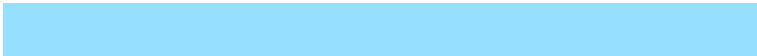
2.3446, 1.5745, 0.1803

Inverse Universe

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



61.9408, 71.0291, 105.0531



56.9774, 66.2803, 104.3981



51.6318, 50.4111, 101.6168



18.0513, 19.4741, 23.0574



17.6671, 20.2438, 52.4109



1.8176, 2.1658, 5.1355

Previews

White Background



This preview shows how the XYZ color 67.8230, 63.1174, 45.6540 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 67.8230, 63.1174, 45.6540 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 67.8230, 63.1174, 45.6540

Background



This preview shows how black text looks on a background with the XYZ color 67.8230, 63.1174, 45.6540.



This preview shows how white text looks on a background with the XYZ color 67.8230, 63.1174,

45.6540.

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

67.8230, 63.1174, 45.6540

Protanopia

59.7111, 63.3834, 49.1315

Deuteranopia

64.5915, 63.1533, 45.3447



Tritanopia

70.8902, 62.9294, 66.1679

Trichromacy



Original Color

67.8230, 63.1174, 45.6540

Protanomaly

62.4066, 63.0141, 47.9035

Deuteranomaly

65.5269, 62.9523, 45.2566

Tritanomaly

69.6041, 62.7650, 58.3155

Monochromacy



Original Color

67.8230, 63.1174, 45.6540

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

63.0457, 63.7715, 60.6160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8230, 63.1174, 45.6540 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(255, 195, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 168)  
}
```

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(255, 195, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 168) }
```

Border

The CSS property to change the border of an element to XYZ 67.8230, 63.1174, 45.6540 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(255, 195, 168) }
```


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

```
.border{ border-color:rgb(255, 195, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8230, 63.1174, 45.6540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 168) }
```

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

```
.background{ background-color: rgb(255,  
195, 168) }
```

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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