

Converting Colors

XYZ(75.9142, 70.4634, 46.1766)

Have a look what the booklet for
XYZ(75.9142, 70.4634, 46.1766)
contains.

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Color

**XYZ(69.8079, 67.2358,
45.8577)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCCA7
RGB	255, 204, 167
RGB Percent	100%, 80%, 65%
CMY	0.0000, 0.2000, 0.3451
CMYK	0.00, 0.20, 0.35, 0.00
HSL	25°, 100%, 83%
HSV	25°, 35%, 100%
XYZ	69.8079, 67.2358, 45.8577
YIQ	215.0310, 42.2730, -0.6950

Conversions

Conversions Part 2

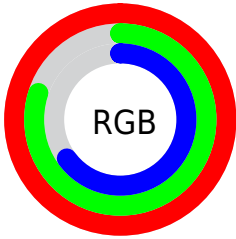
Format	Color
R _Y B	255, 231, 167
Decimal	16764071
CIE Lab	85.62, 13.09, 25.30
CIE LCh	86, 28.482, 62.639
Yxy	67.2358, 0.3817, 0.3676
Android (android.graphics.Color)	4294954151 (0xFFFFCCA7)
YUV	215.0310, -23.6793, 35.0528
Hunter-Lab	81.9974, 8.4691, 24.2398

Details

The XYZ color **69.8079, 67.2358, 45.8577** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.0568, 65.5759, 104.1525**, and the grayscale version is **64.7491, 68.1211, 74.1838**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **37.0268, 34.9208, 21.0085** is the 20% darker color. If you saturate the color by 10%, you get **64.3322, 59.6922, 33.5265**, and if you desaturate by 10%, it is **76.0851, 75.6381, 60.7506**.

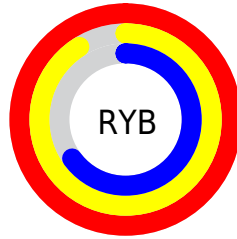
Distribution



Red (100%)

Green (80%)

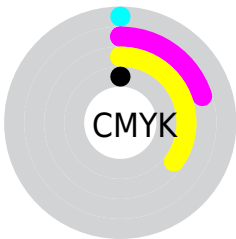
Blue (65%)



Red (100%)

Yellow (91%)

Blue (65%)

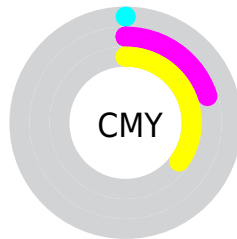


Cyan (0%)

Magenta (20%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.8079, 67.2358, 45.8577 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 69.8079, 67.2358, 45.8577 by changing the saturation by 10% instead.


 69.8079, 67.2358,
45.8577


 69.8079, 67.2358,
45.8577


449.1522,
450.7836, 386.4972

 51.6490, 49.2763,
31.7857


 117.9625,
115.2582, 85.3380

 36.9485, 34.8387,
20.9344


 148.6889,
146.0899, 111.5834

 25.3411, 23.5386,
12.8853


184.3352,
181.9811, 142.7237

 16.4615, 14.9917,
7.2198

225.2667,
223.3162, 179.1774

 9.9442, 8.8136,
3.5194

271.8488,
270.4796, 221.3631

 5.4240, 4.6198,
1.3656

324.4469,

 2.5354, 2.0260,

323.8558, 269.6992

0.1147

383.4262,
383.8290, 324.6044

■ 0.9131, 0.6225,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.8079, 67.2358,
45.8577

■ 69.8079, 67.2358,
45.8577

■ 64.3322, 59.6922,
33.5265

■ 76.0851, 75.6381,
60.7506

■ 59.6162, 52.9685,
23.6053

■ 83.1928, 84.9175,
78.3368

■ 55.6216, 47.0363,
15.9325

■ 91.1646, 95.1036,
98.7437

■ 52.3042, 41.8618,
10.3247

95.0500, 100.0000,
108.9000

■ 49.6135, 37.4078,
6.5688

■ 47.4895, 33.6322,
4.4042

■ 46.5219, 31.8239,
3.6907

Harmonies

Analogous

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



74.9885, 67.2358, 55.5914



69.8079, 67.2358, 45.8577



63.3333, 67.2358, 43.0220

Triad

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



69.8079, 67.2358, 45.8577



52.2440, 67.2358, 74.8646



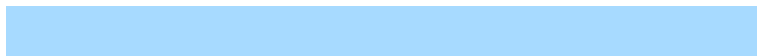
70.8678, 67.2358, 107.5759

Complementary

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



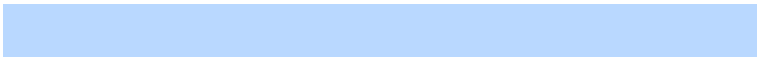
69.8079, 67.2358, 45.8577



59.0568, 65.5759, 104.1525

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.



64.4813, 67.2358, 114.9776



69.8079, 67.2358, 45.8577



53.9724, 67.2358, 94.2018

Square

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



69.8079, 67.2358, 45.8577



53.4611, 67.2358, 57.9953



58.3458, 67.2358, 109.7147



75.6289, 67.2358, 90.8733

Rectangle

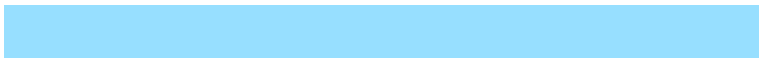
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8079, 67.2358, 45.8577



59.2262, 67.2358, 44.9537



58.3458, 67.2358, 109.7147



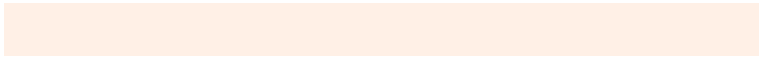
68.8253, 67.2358, 111.3507

Sweetspot

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



69.8096, 67.2390, 45.8591



86.6786, 89.3968, 87.1822



67.7577, 53.9775, 73.4065



18.3162, 18.8315, 18.0572



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.



69.8096, 67.2390, 45.8591



66.1657, 62.2452, 37.5717



81.6802, 90.9801, 49.8159



18.6371, 19.2424, 18.8762



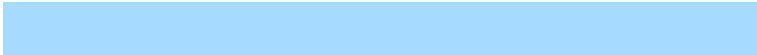
24.4486, 16.9085, 1.9751



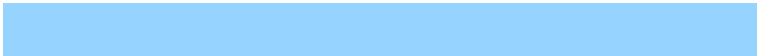
2.4857, 1.8567, 0.2274

Inverse Universe

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



59.0568, 65.5759, 104.1525



54.0135, 60.3526, 103.4101



49.1875, 45.8373, 100.8627



17.8774, 19.1264, 22.9995



15.0970, 15.1035, 51.5542



1.5781, 1.6868, 5.0557

Previews

White Background



This preview shows how the XYZ color 69.8079, 67.2358, 45.8577 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 69.8079, 67.2358, 45.8577 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 69.8079, 67.2358, 45.8577

Background



This preview shows how black text looks on a background with the XYZ color 69.8079, 67.2358, 45.8577.



This preview shows how white text looks on a background with the XYZ color 69.8079, 67.2358,

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

69.8079, 67.2358, 45.8577

Protanopia

63.4879, 67.5657, 48.7250

Deuteranopia

68.8300, 67.4419, 45.9491



Tritanopia

73.9045, 67.3726, 72.0598

Trichromacy



Original Color

69.8079, 67.2358, 45.8577

Protanomaly

65.5622, 67.1726, 47.5403

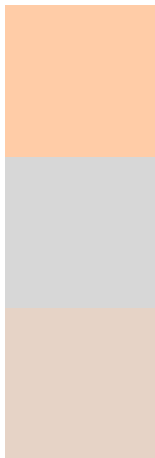
Deuteranomaly

68.9513, 67.1481, 45.8860

Tritanomaly

72.0905, 67.0188, 61.3609

Monochromacy



Original Color

69.8079, 67.2358, 45.8577

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.1204, 67.4887, 62.9678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8079, 67.2358, 45.8577 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, 204, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 167)  
}
```

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, 204, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 167) }
```

Border

The CSS property to change the border of an element to XYZ 69.8079, 67.2358, 45.8577 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, 204, 167) }
```


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

```
.border{ border-color:rgb(255, 204, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8079, 67.2358, 45.8577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 167) }
```

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

```
.background{ background-color: rgb(255,  
204, 167) }
```

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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