

Converting Colors

XYZ(126.5259, 97.3225,
35.7543)

Have a look what the booklet for
XYZ(126.5259, 97.3225, 35.7543)
contains.

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Color

**XYZ(67.8267, 67.2088,
33.0646)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCE89
RGB	255, 206, 137
RGB Percent	100%, 81%, 54%
CMY	0.0000, 0.1921, 0.4627
CMYK	0.00, 0.19, 0.46, 0.00
HSL	35°, 100%, 77%
HSV	35°, 46%, 100%
XYZ	67.8267, 67.2088, 33.0646
YIQ	212.7850, 51.3530, -11.0710

Conversions

Conversions Part 2

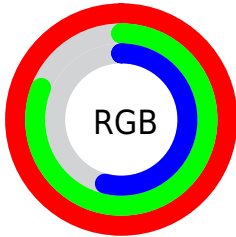
Format	Color
R _Y B	221, 255, 137
Decimal	16764553
CIE Lab	85.61, 8.84, 40.76
CIE LCh	86, 41.706, 77.762
Yxy	67.2088, 0.4035, 0.3998
Android (android.graphics.Color)	4294954633 (0xFFFFCE89)
YUV	212.7850, -37.3620, 37.0226
Hunter-Lab	81.9810, 4.2147, 33.4738

Details

The XYZ color **67.8267, 67.2088, 33.0646** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.9247, 47.6543, 101.3853**, and the grayscale version is **63.3214, 66.6190, 72.5481**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **35.6729, 34.8641, 13.6534** is the 20% darker color. If you saturate the color by 10%, you get **63.7460, 61.6370, 23.7216**, and if you desaturate by 10%, it is **72.5147, 73.3033, 44.7439**.

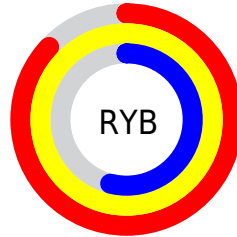
Distribution



Red (100%)

Green (81%)

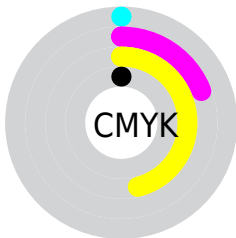
Blue (54%)



Red (87%)

Yellow (100%)

Blue (54%)

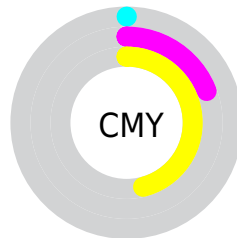


Cyan (0%)

Magenta (19%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8267, 67.2088, 33.0646 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 67.8267, 67.2088, 33.0646 by changing the saturation by 10% instead.


 67.8267, 67.2088,
33.0646

 67.8267, 67.2088,
33.0646


442.2681,
450.6876, 330.5817


 50.0299, 49.2543,
21.9044


 115.1475,
115.2195, 65.5935

 35.6551, 34.8213,
13.5890


 145.4022,
146.0446, 87.7994

 24.3368, 23.5252,
7.6999


 180.5402,
181.9287, 114.5242

 15.7097, 14.9818,
3.8185

220.9270,
223.2561, 146.1865

 9.4085, 8.8066,
1.5263

266.9278,
270.4113, 183.2049

 5.0678, 4.6153,
0.2374

318.9080,

 2.3223, 2.0233,

323.7787, 225.9978

0.0000

377.2330,
383.7427, 274.9839

0.8060, 0.6210,
0.0000

0.0000, 0.0000,
0.0000

67.8267, 67.2088,
33.0646

67.8267, 67.2088,
33.0646

63.7460, 61.6370,
23.7216

72.5147, 73.3033,
44.7439

60.2334, 56.5593,
16.5469

77.8362, 79.9287,
58.9035

57.2520, 51.9579,
11.3562

83.8215, 87.1047,
75.6804

54.7573, 47.8093,
7.9324

90.4976, 94.8469,
95.2004

■ 52.6944, 44.0856, 95.0499, 100.0000,
6.0049 108.9000

■ 52.0068, 42.7938,
5.5190

Harmonies

Analogous

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



76.9489, 67.2088, 40.9043



67.8267, 67.2088, 33.0646



58.4729, 67.2088, 33.8383

Triad

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



67.8267, 67.2088, 33.0646



48.0294, 67.2088, 90.3089



78.3656, 67.2088, 114.2326

Complementary

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



67.8267, 67.2088, 33.0646



45.9247, 47.6543, 101.3853

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.



69.6104, 67.2088, 135.0875



67.8267, 67.2088, 33.0646



52.3814, 67.2088, 119.0933

Square

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



67.8267, 67.2088, 33.0646



47.6540, 67.2088, 62.6505



60.0893, 67.2088, 137.0590



83.4253, 67.2088, 84.8255

Rectangle

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



67.8267, 67.2088, 33.0646



53.3436, 67.2088, 39.1499



60.0893, 67.2088, 137.0590



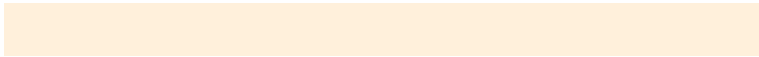
75.7197, 67.2088, 122.7598

Sweetspot

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



67.8283, 67.2120, 33.0659



85.2780, 88.8149, 79.8734



59.0667, 42.7042, 51.6775



17.9570, 18.6625, 16.2438



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.



67.8283, 67.2120, 33.0659



63.8501, 61.7830, 23.9477



77.9898, 92.7685, 37.4633



18.8921, 19.7523, 18.9612



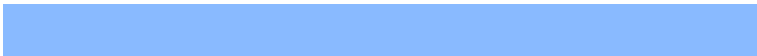
27.3256, 22.6624, 2.9341



2.7685, 2.4223, 0.3216

Inverse Universe

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



45.9247, 47.6543, 101.3853



39.4134, 39.9896, 100.2492



38.9990, 31.2997, 98.5936



17.6226, 18.6168, 22.9145



12.2570, 9.4236, 50.6075



1.2982, 1.1271, 4.9624

Previews

White Background



This preview shows how the XYZ color 67.8267, 67.2088, 33.0646 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 67.8267, 67.2088, 33.0646 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 67.8267, 67.2088, 33.0646

Background



This preview shows how black text looks on a background with the XYZ color 67.8267, 67.2088, 33.0646.



This preview shows how white text looks on a background with the XYZ color 67.8267, 67.2088,

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

67.8267, 67.2088, 33.0646

Protanopia

62.3845, 67.3102, 34.5151

Deuteranopia

68.1822, 66.9670, 36.1204



Tritanopia

73.7779, 67.3220, 71.3933

Trichromacy



Original Color

67.8267, 67.2088, 33.0646

Protanomaly

64.2301, 67.1534, 34.0027

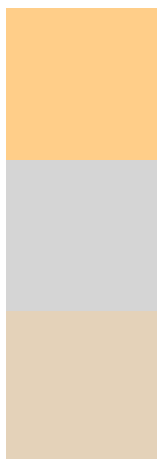
Deuteranomaly

67.9538, 66.8756, 34.9179

Tritanomaly

71.1175, 67.0038, 55.0837

Monochromacy



Original Color

67.8267, 67.2088, 33.0646

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.7985, 66.0899, 55.2930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8267, 67.2088, 33.0646 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, 206, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 137)  
}
```

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, 206, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 137) }
```

Border

The CSS property to change the border of an element to XYZ 67.8267, 67.2088, 33.0646 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, 206, 137) }
```


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

```
.border{ border-color:rgb(255, 206, 137) }
```

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

Here you see how a box with a 4 pixel rgb(255, 206, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8267, 67.2088, 33.0646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 137) }
```

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

```
.background{ background-color: rgb(255,  
206, 137) }
```

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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