

Converting Colors

XYZ(88.9186, 76.3034, 34.6687)

Have a look what the booklet for
XYZ(88.9186, 76.3034, 34.6687)
contains.

XYZ(66.8603, 64.9267, 33.8191)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.8603, 64.9267,
33.8191)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC98C
RGB	255, 201, 140
RGB Percent	100%, 79%, 55%
CMY	0.0000, 0.2117, 0.4510
CMYK	0.00, 0.21, 0.45, 0.00
HSL	32°, 100%, 77%
HSV	32°, 45%, 100%
XYZ	66.8603, 64.9267, 33.8191
YIQ	210.1920, 51.7650, -7.5230

Conversions

Conversions Part 2

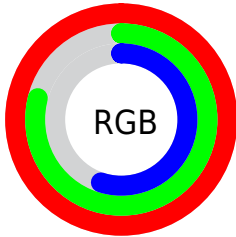
Format	Color
R _Y B	242, 255, 140
Decimal	16763276
CIE Lab	84.45, 11.72, 37.74
CIE LCh	84, 39.516, 72.744
Yxy	64.9267, 0.4037, 0.3921
Android (android.graphics.Color)	4294953356 (0xFFFFC98C)
YUV	210.1920, -34.6047, 39.2966
Hunter-Lab	80.5771, 7.1036, 31.5193

Details

The XYZ color **66.8603, 64.9267, 33.8191** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.1563, 51.3772, 101.9864**, and the grayscale version is **61.5825, 64.7896, 70.5559**.

A 20% lighter version of the original color is **86.7376, 96.6750, 65.1275**, and **35.0018, 33.3245, 14.0387** is the 20% darker color. If you saturate the color by 10%, you get **62.5108, 58.8961, 24.1432**, and if you desaturate by 10%, it is **71.8663, 71.5729, 45.8645**.

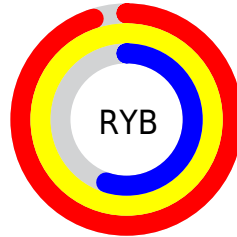
Distribution



Red (100%)

Green (79%)

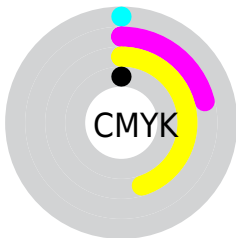
Blue (55%)



Red (95%)

Yellow (100%)

Blue (55%)

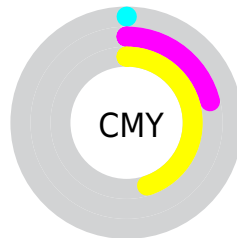


Cyan (0%)

Magenta (21%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (21%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.8603, 64.9267, 33.8191 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 66.8603, 64.9267, 33.8191 by changing the saturation by 10% instead.


 66.8603, 64.9267,
33.8191

 66.8603, 64.9267,
33.8191


438.8876,
442.5285, 334.0692


 49.2414, 47.4016,
22.4784


 113.7711,
111.9445, 66.7829

 35.0263, 33.3533,
14.0072


 143.7937,
142.2060, 89.2432

 23.8498, 22.3972,
7.9869


 178.6816,
177.4817, 116.2470

 15.3463, 14.1491,
3.9989

218.8001,
218.1562, 148.2130

 9.1507, 8.2244,
1.6247

264.5146,
264.6137, 185.5597

 4.8975, 4.2389,
0.3084

316.1905,

 2.2214, 1.8081,

317.2387, 228.7056

0.0000

374.1930,
376.4155, 278.0692

0.7540, 0.4922,
0.0000

0.0000, 0.0000,
0.0000

66.8603, 64.9267,
33.8191

66.8603, 64.9267,
33.8191

62.5108, 58.8961,
24.1432

71.8663, 71.5729,
45.8645

58.7775, 53.4497,
16.6705

77.5564, 78.8460,
60.4225

55.6224, 48.5667,
11.2192

83.9620, 86.7685,
77.6292

53.0001, 44.2203,
7.5759

91.1112, 95.3587,
97.6099

■ 50.8554, 40.3798, 95.0500, 100.0000,
5.4778 108.9000

■ 49.9421, 38.6643,
4.8307

Harmonies

Analogous

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



74.9704, 64.9267, 42.6735



66.8603, 64.9267, 33.8191



58.0581, 64.9267, 33.2194

Triad

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



66.8603, 64.9267, 33.8191



46.6536, 64.9267, 81.9152



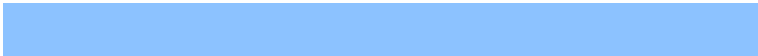
73.9044, 64.9267, 112.5211

Complementary

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



66.8603, 64.9267, 33.8191



48.1563, 51.3772, 101.9864

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.



65.5138, 64.9267, 129.1780



66.8603, 64.9267, 33.8191



50.1149, 64.9267, 108.8879

Square

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



66.8603, 64.9267, 33.8191



46.9400, 64.9267, 57.2885



56.8329, 64.9267, 127.7096



79.2948, 64.9267, 86.0431

Rectangle

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



66.8603, 64.9267, 33.8191



53.0153, 64.9267, 37.3035



56.8329, 64.9267, 127.7096



71.3088, 64.9267, 119.7079

Sweetspot

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



66.8619, 64.9298, 33.8204



84.7097, 87.6782, 79.6840



60.5349, 43.9833, 57.2759



17.8185, 18.3855, 16.1976



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.



66.8619, 64.9298, 33.8204



62.9574, 59.5291, 25.0943



81.0321, 94.3118, 38.7448



18.8072, 19.5825, 18.9329



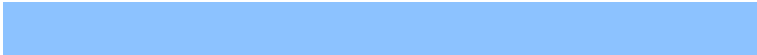
26.2468, 20.5048, 2.5745



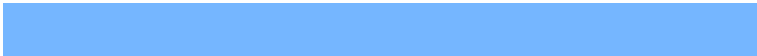
2.6650, 2.2153, 0.2871

Inverse Universe

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



48.1563, 51.3772, 101.9864



42.1447, 44.4592, 100.9680



38.5697, 31.7203, 98.6975



17.7062, 18.7840, 22.9424



13.0704, 11.0504, 50.8786



1.3809, 1.2924, 4.9900

Previews

White Background



This preview shows how the XYZ color 66.8603, 64.9267, 33.8191 looks on a white background.

Color Contrast Check

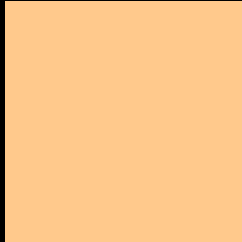
Large Text (above 18pt) WCAG AA × Fail

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 66.8603, 64.9267, 33.8191 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 66.8603, 64.9267, 33.8191

Background



This preview shows how black text looks on a background with the XYZ color 66.8603, 64.9267, 33.8191.



This preview shows how white text looks on a background with the XYZ color 66.8603, 64.9267,

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

66.8603, 64.9267, 33.8191

Protanopia

60.3232, 65.0961, 35.7710

Deuteranopia

66.3622, 65.0172, 33.8628



Tritanopia

72.1403, 64.8443, 68.3885

Trichromacy



Original Color

66.8603, 64.9267, 33.8191

Protanomaly

62.5306, 64.7860, 35.1958

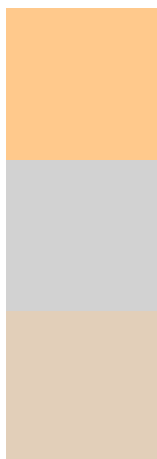
Deuteranomaly

66.7272, 65.2053, 33.8799

Tritanomaly

69.7535, 64.6114, 53.5946

Monochromacy



Original Color

66.8603, 64.9267, 33.8191

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

62.4338, 64.2972, 55.0189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8603, 64.9267, 33.8191 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, 201, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 140)  
}
```

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, 201, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 140) }
```

Border

The CSS property to change the border of an element to XYZ 66.8603, 64.9267, 33.8191 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, 201, 140) }
```


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

```
.border{ border-color:rgb(255, 201, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8603, 64.9267, 33.8191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 140) }
```

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

```
.background{ background-color: rgb(255,  
201, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor