

Converting Colors

XYZ(66.5064, 64.2105, 33.7273)

Have a look what the booklet for
XYZ(66.5064, 64.2105, 33.7273)
contains.

XYZ(66.3970, 64.0003, 33.6647)	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(66.3970, 64.0003,
33.6647)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC78C
RGB	255, 199, 140
RGB Percent	100%, 78%, 55%
CMY	0.0000, 0.2196, 0.4510
CMYK	0.00, 0.22, 0.45, 0.00
HSL	31°, 100%, 77%
HSV	31°, 45%, 100%
XYZ	66.3970, 64.0003, 33.6647
YIQ	209.0180, 52.3150, -6.4770

Conversions

Conversions Part 2

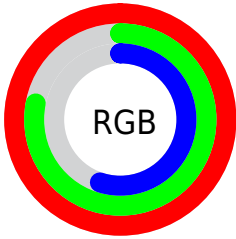
Format	Color
R _Y B	249, 255, 140
Decimal	16762764
CIE Lab	83.97, 12.76, 37.12
CIE LCh	84, 39.249, 71.025
Yxy	64.0003, 0.4047, 0.3901
Android (android.graphics.Color)	4294952844 (0xFFFFC78C)
YUV	209.0180, -34.0259, 40.3262
Hunter-Lab	80.0002, 8.1476, 31.0504

Details

The XYZ color **66.3970, 64.0003, 33.6647** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.6042, 52.2731, 102.1354**, and the grayscale version is **60.8086, 63.9754, 69.6692**.

A 20% lighter version of the original color is **86.7376, 96.6750, 65.1275**, and **34.6935, 32.7078, 13.9359** is the 20% darker color. If you saturate the color by 10%, you get **61.9894, 57.8535, 23.9694**, and if you desaturate by 10%, it is **71.4766, 70.7937, 45.7346**.

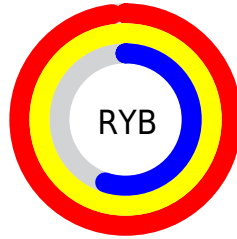
Distribution



Red (100%)

Green (78%)

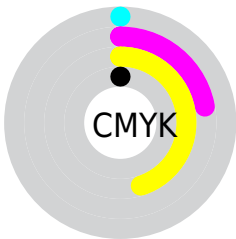
Blue (55%)



Red (98%)

Yellow (100%)

Blue (55%)

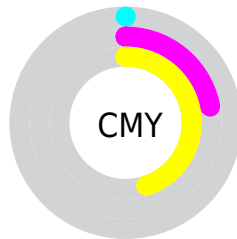


Cyan (0%)

Magenta (22%)

Yellow (45%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.3970, 64.0003, 33.6647 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 66.3970, 64.0003, 33.6647 by changing the saturation by 10% instead.


 66.3970, 64.0003,
33.6647


 66.3970, 64.0003,
33.6647


437.2616,
439.1907, 333.3578


 48.8636, 46.6509,
22.3609


 113.1105,
110.6114, 66.5398

 34.7254, 32.7598,
13.9214


 143.0214,
140.6418, 88.9482

 23.6170, 21.9425,
7.9279


 177.7888,
175.6681, 115.8952

 15.1729, 13.8146,
3.9617

217.7782,
216.0746, 147.7993

 9.0279, 7.9919,
1.6044

263.3547,
262.2458, 185.0790

 4.8167, 4.0897,
0.2939

314.8840,

 2.1737, 1.7239,

314.5659, 228.1530

0.0000

372.7311,
373.4194, 277.4397

0.7288, 0.4391,
0.0000

0.0000, 0.0000,
0.0000

66.3970, 64.0003,
33.6647

66.3970, 64.0003,
33.6647

61.9894, 57.8535,
23.9694

71.4766, 70.7937,
45.7346

58.2129, 52.3208,
16.4824

77.2564, 78.2463,
60.3225

55.0290, 47.3801,
11.0215

83.7684, 86.3815,
77.5646

52.3915, 43.0033,
7.3730

91.0412, 95.2189,
97.5865

■ 50.2445, 39.1581, 95.0499, 99.9999,
5.2742 108.9000

■ 49.3346, 37.4493,
4.6282

Harmonies

Analogous

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



74.2525, 64.0003, 42.8751



66.3970, 64.0003, 33.6647



57.7065, 64.0003, 32.6239

Triad

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



66.3970, 64.0003, 33.6647



45.9296, 64.0003, 79.1919



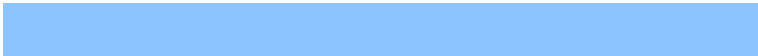
72.4068, 64.0003, 112.1244

Complementary

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



66.3970, 64.0003, 33.6647



48.6042, 52.2731, 102.1354

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.



64.0650, 64.0003, 127.6361



66.3970, 64.0003, 33.6647



49.1318, 64.0003, 105.8375

Square

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



66.3970, 64.0003, 33.6647



46.4260, 64.0003, 55.3239



55.5839, 64.0003, 125.0959



77.9429, 64.0003, 86.3393

Rectangle

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



66.3970, 64.0003, 33.6647



52.6587, 64.0003, 36.3327



55.5839, 64.0003, 125.0959



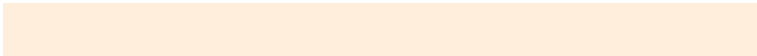
69.8065, 64.0003, 118.9604

Sweetspot

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



66.3986, 64.0034, 33.6660



84.5290, 87.3169, 79.6238



60.7537, 44.0709, 58.4291



17.7745, 18.2976, 16.1830



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.



66.3986, 64.0034, 33.6660



62.4418, 58.4979, 24.9224



81.7335, 94.6732, 38.7776



18.7801, 19.5284, 18.9239



25.9286, 19.8684, 2.4684



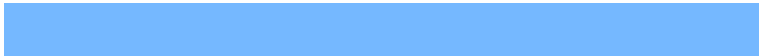
2.6340, 2.1533, 0.2768

Inverse Universe

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



48.6042, 52.2731, 102.1354



42.6391, 45.4479, 101.1328



38.2438, 31.5523, 98.6819



17.7331, 18.8378, 22.9514



13.3564, 11.6225, 50.9740



1.4093, 1.3494, 4.9995

Previews

White Background



This preview shows how the XYZ color 66.3970, 64.0003, 33.6647 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 66.3970, 64.0003, 33.6647 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 66.3970, 64.0003, 33.6647

Background



This preview shows how black text looks on a background with the XYZ color 66.3970, 64.0003, 33.6647.



This preview shows how white text looks on a background with the XYZ color 66.3970, 64.0003,

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

66.3970, 64.0003, 33.6647

Protanopia

59.7592, 64.4377, 35.6736

Deuteranopia

65.4039, 64.1760, 33.7510



Tritanopia

71.4505, 63.8562, 66.9521

Trichromacy



Original Color

66.3970, 64.0003, 33.6647

Protanomaly

61.9543, 64.1303, 35.0996

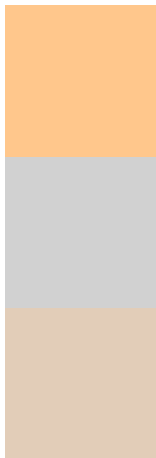
Deuteranomaly

65.5328, 63.8974, 33.6904

Tritanomaly

69.1986, 63.6676, 52.8979

Monochromacy



Original Color

66.3970, 64.0003, 33.6647

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

61.8471, 63.2921, 54.3043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3970, 64.0003, 33.6647 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, 199, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 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, 199, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 140) }
```

Border

The CSS property to change the border of an element to XYZ 66.3970, 64.0003, 33.6647 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, 199, 140) }
```


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

```
.border{ border-color:rgb(255, 199, 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, 199, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3970, 64.0003, 33.6647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 140) }
```

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

```
.background{ background-color: rgb(255,  
199, 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