

Converting Colors

XYZ(69.9942, 63.8365, 38.6538)

Have a look what the booklet for
XYZ(69.9942, 63.8365, 38.6538)
contains.

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Color

**XYZ(66.0597, 61.6998,
38.5645)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC199
RGB	255, 193, 153
RGB Percent	100%, 76%, 60%
CMY	0.0000, 0.2431, 0.4000
CMYK	0.00, 0.24, 0.40, 0.00
HSL	24°, 100%, 80%
HSV	24°, 40%, 100%
XYZ	66.0597, 61.6998, 38.5645
YIQ	206.9780, 49.7920, 0.7040

Conversions

Conversions Part 2

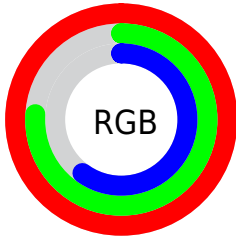
Format	Color
R _Y B	255, 219, 153
Decimal	16761241
CIE Lab	82.75, 17.24, 28.76
CIE LCh	83, 33.528, 59.066
Yxy	61.6998, 0.3972, 0.3710
Android (android.graphics.Color)	4294951321 (0xFFFFC199)
YUV	206.9780, -26.6112, 42.1153
Hunter-Lab	78.5492, 12.6569, 25.8755

Details

The XYZ color **66.0597, 61.6998, 38.5645** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.4863, 62.5908, 103.7644**, and the grayscale version is **59.4389, 62.5343, 68.0999**.

A 20% lighter version of the original color is **86.8108, 94.1853, 73.2787**, and **34.3958, 31.1603, 16.7721** is the 20% darker color. If you saturate the color by 10%, you get **60.9262, 54.4507, 27.5494**, and if you desaturate by 10%, it is **72.0055, 69.8530, 52.0719**.

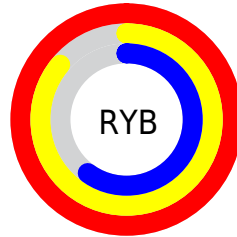
Distribution



Red (100%)

Green (76%)

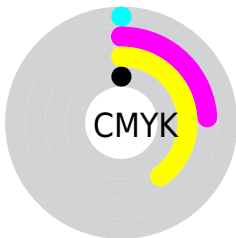
Blue (60%)



Red (100%)

Yellow (86%)

Blue (60%)

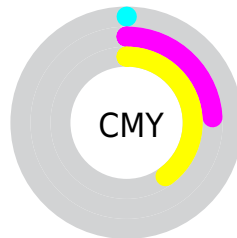


Cyan (0%)

Magenta (24%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (24%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.0597, 61.6998, 38.5645 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 66.0597, 61.6998, 38.5645 by changing the saturation by 10% instead.

 66.0597, 61.6998,
38.5645

 66.0597, 61.6998,
38.5645

436.0756,
430.8352, 355.4059

 48.5888, 44.7902,
26.1159


 112.6293,
107.2915, 74.1855

 34.5066, 31.2922,
16.6838


 142.4586,
136.7424, 98.1950

 23.4477, 20.8214,
9.8497


177.1381,
171.1426, 126.8953

 15.0470, 12.9935,
5.1951

217.0331,
210.8763, 160.7047

 8.9389, 7.4241,
2.3015

262.5090,
256.3280, 200.0420

 4.7581, 3.7287,
0.7320

313.9312,

 2.1394, 1.5230,

307.8822, 245.3256

0.0000

371.6649,
365.9231, 296.9740

0.7105, 0.3048,
0.0000

0.0000, 0.0000,
0.0000

66.0597, 61.6998,
38.5645

66.0597, 61.6998,
38.5645

60.9262, 54.4507,
27.5494

72.0055, 69.8530,
52.0719

56.5603, 48.0633,
18.8669

78.7959, 78.9330,
68.2104

52.9198, 42.5044,
12.3443

86.4667, 88.9727,
87.1127

49.9555, 37.7349,
7.7828

95.0499, 100.0000,
108.9000

■ 47.6103, 33.7113,
4.9459

■ 45.7986, 30.3772,
3.4496

■ 45.7984, 30.3770,
3.4495

Harmonies

Analogous

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



71.6094, 61.6998, 49.6854



66.0597, 61.6998, 38.5645



58.8700, 61.6998, 34.7987

Triad

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



66.0597, 61.6998, 38.5645



45.8505, 61.6998, 66.5358



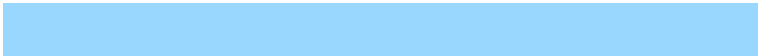
65.6371, 61.6998, 108.1832

Complementary

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



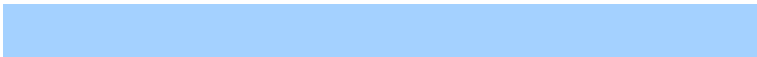
66.0597, 61.6998, 38.5645



55.4863, 62.5908, 103.7644

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.



58.4182, 61.6998, 115.1889



66.0597, 61.6998, 38.5645



47.3461, 61.6998, 88.3649

Square

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



66.0597, 61.6998, 38.5645



47.5422, 61.6998, 48.7747



51.8048, 61.6998, 107.2969



71.3517, 61.6998, 89.7168

Rectangle

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



66.0597, 61.6998, 38.5645



54.2325, 61.6998, 36.2184



51.8048, 61.6998, 107.2969



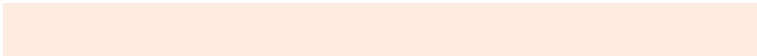
63.2880, 61.6998, 112.1055

Sweetspot

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



66.0613, 61.7027, 38.5657



84.8601, 86.8860, 83.1038



65.0133, 48.9957, 70.9289



17.9432, 18.3101, 17.2406



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.



66.0613, 61.7027, 38.5657



61.8901, 55.8304, 29.5601



79.0704, 87.7210, 42.9021



18.5937, 19.1556, 18.8617



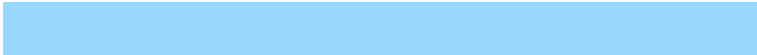
24.0656, 16.1424, 1.8474



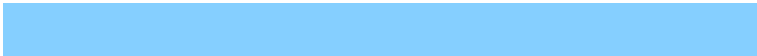
2.4458, 1.7770, 0.2141

Inverse Universe

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



55.4863, 62.5908, 103.7644



49.9710, 56.7965, 102.9368



44.6245, 40.8672, 100.1438



17.9218, 19.2153, 23.0143



15.7046, 16.3187, 51.7567



1.6355, 1.8018, 5.0748

Previews

White Background



This preview shows how the XYZ color 66.0597, 61.6998, 38.5645 looks on a white background.

Color Contrast Check

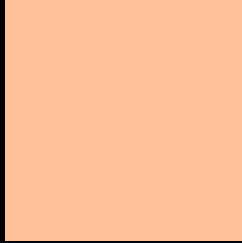
Large Text (above 18pt) WCAG AA × Fail

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 66.0597, 61.6998, 38.5645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

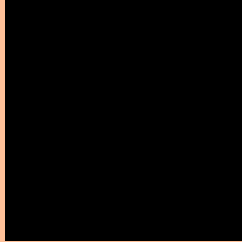
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.0597, 61.6998, 38.5645

Background



This preview shows how black text looks on a background with the XYZ color 66.0597, 61.6998, 38.5645.



This preview shows how white text looks on a background with the XYZ color 66.0597, 61.6998,

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

66.0597, 61.6998, 38.5645

Protanopia

57.8445, 61.8615, 41.6926

Deuteranopia

63.1698, 61.8883, 38.3220



Tritanopia

69.9802, 61.8722, 63.5125

Trichromacy



Original Color

66.0597, 61.6998, 38.5645

Protanomaly

60.5767, 61.5312, 40.5823

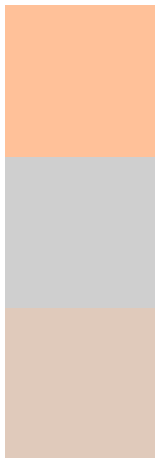
Deuteranomaly

64.1188, 61.7033, 38.2363

Tritanomaly

68.3052, 61.5476, 53.6272

Monochromacy



Original Color

66.0597, 61.6998, 38.5645

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

60.8306, 61.6762, 55.7123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.0597, 61.6998, 38.5645 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, 193, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 153)  
}
```

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, 193, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 153) }
```

Border

The CSS property to change the border of an element to XYZ 66.0597, 61.6998, 38.5645 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, 193, 153) }
```


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

```
.border{ border-color:rgb(255, 193, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 193, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 66.0597, 61.6998, 38.5645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 153) }
```

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

```
.background{ background-color: rgb(255,  
193, 153) }
```

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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