

Converting Colors

XYZ(90.3767, 78.0819, 39.3028)

Have a look what the booklet for
XYZ(90.3767, 78.0819, 39.3028)
contains.

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Color

**XYZ(68.3379, 66.6477,
38.1167)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCC96
RGB	255, 204, 150
RGB Percent	100%, 80%, 59%
CMY	0.0000, 0.2000, 0.4118
CMYK	0.00, 0.20, 0.41, 0.00
HSL	31°, 100%, 79%
HSV	31°, 41%, 100%
XYZ	68.3379, 66.6477, 38.1167
YIQ	213.0930, 47.7300, -5.9820

Conversions

Conversions Part 2

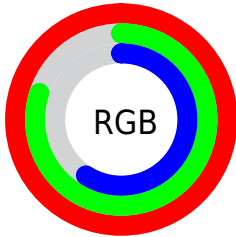
Format	Color
R _Y B	249, 255, 150
Decimal	16764054
CIE Lab	85.33, 11.18, 33.74
CIE LCh	85, 35.549, 71.666
Yxy	66.6477, 0.3948, 0.3850
Android (android.graphics.Color)	4294954134 (0xFFFFCC96)
YUV	213.0930, -31.1048, 36.7524
Hunter-Lab	81.6380, 6.5529, 29.4642

Details

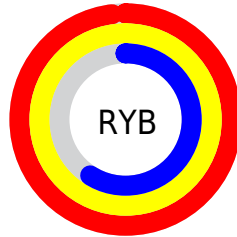
The XYZ color **68.3379, 66.6477, 38.1167** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.5137, 55.4754, 102.6005**, and the grayscale version is **63.4887, 66.7951, 72.7398**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **35.8759, 34.4303, 16.3101** is the 20% darker color. If you saturate the color by 10%, you get **63.6767, 60.2615, 27.5112**, and if you desaturate by 10%, it is **73.6834, 73.6871, 51.1560**.

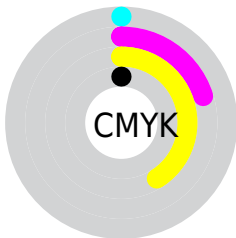
Distribution



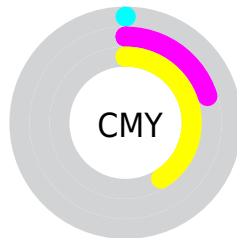
- Red (100%)
- Green (80%)
- Blue (59%)



- Red (98%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (20%)
- Yellow (41%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3379, 66.6477, 38.1167 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 68.3379, 66.6477, 38.1167 by changing the saturation by 10% instead.


 68.3379, 66.6477,
38.1167


 68.3379, 66.6477,
38.1167


444.0503,
448.6897, 353.4335

 50.4474, 48.7984,
25.7707


 115.8747,
114.4155, 73.4924

 35.9882, 34.4596,
16.4280


 146.2516,
145.1027, 97.3592

 24.5952, 23.2469,
9.6699

181.5214,
180.8380, 125.9033

 15.9028, 14.7759,
5.0779

222.0493,
222.0058, 159.5434

 9.5458, 8.6623,
2.2335

268.2008,
268.9905, 198.6979

 5.1588, 4.5216,
0.6936

320.3413,

 2.3765, 1.9694,

322.1764, 243.7854

0.0000

378.8360,
381.9480, 295.2244

■ 0.8334, 0.5896,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.3379, 66.6477,
38.1167

■ 68.3379, 66.6477,
38.1167

■ 63.6767, 60.2615,
27.5112

■ 73.6834, 73.6871,
51.1560

■ 59.6600, 54.4964,
19.1793

■ 79.7400, 81.3914,
66.7670

■ 56.2512, 49.3314,
12.9481

■ 86.5390, 89.7837,
85.0821

■ 53.4067, 44.7397,
8.6173

■ 94.1083, 98.8829,
106.2234

■ 51.0753, 40.6910, 95.0500, 100.0000,
5.9469 108.9000

■ 49.3773, 37.5346,
4.6424

Harmonies

Analogous

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



75.6187, 66.6477, 46.9226



68.3379, 66.6477, 38.1167



60.2701, 66.6477, 37.2551

Triad

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



68.3379, 66.6477, 38.1167



49.3735, 66.6477, 81.8991



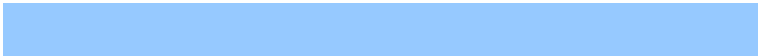
74.1960, 66.6477, 110.9466

Complementary

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



68.3379, 66.6477, 38.1167



51.5137, 55.4754, 102.6005

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.



66.5261, 66.6477, 125.1723



68.3379, 66.6477, 38.1167



52.4798, 66.6477, 106.1809

Square

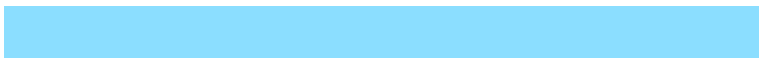
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.3379, 66.6477, 38.1167



49.7690, 66.6477, 59.5061



58.6045, 66.6477, 123.2639



79.1932, 66.6477, 87.4138

Rectangle

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



68.3379, 66.6477, 38.1167



55.5685, 66.6477, 41.0168



58.6045, 66.6477, 123.2639



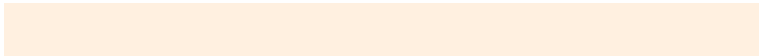
71.8187, 66.6477, 117.1793

Sweetspot

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



68.3396, 66.6509, 38.1180



85.9498, 89.0654, 83.4671



62.8668, 47.3614, 62.0169



18.1992, 18.8221, 17.3260



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.



68.3396, 66.6509, 38.1180



64.6349, 61.5977, 29.6196



82.5052, 94.9820, 42.8399



18.7820, 19.5323, 18.9245



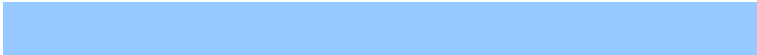
25.9509, 19.9130, 2.4758



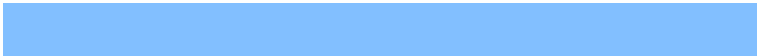
2.6361, 2.1577, 0.2775

Inverse Universe

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



51.5137, 55.4754, 102.6005



45.8363, 49.1153, 101.6721



41.5347, 35.5176, 99.2742



17.7312, 18.8340, 22.9507



13.3356, 11.5808, 50.9670



1.4073, 1.3453, 4.9988

Previews

White Background



This preview shows how the XYZ color 68.3379, 66.6477, 38.1167 looks on a white background.

Color Contrast Check

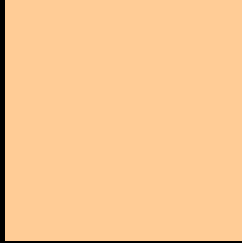
Large Text (above 18pt) WCAG AA × Fail

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 68.3379, 66.6477, 38.1167 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 68.3379, 66.6477, 38.1167

Background



This preview shows how black text looks on a background with the XYZ color 68.3379, 66.6477, 38.1167.



This preview shows how white text looks on a background with the XYZ color 68.3379, 66.6477,

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

68.3379, 66.6477, 38.1167

Protanopia

62.2601, 66.7446, 40.1734

Deuteranopia

67.9709, 66.4586, 38.0995



Tritanopia

73.4213, 66.8100, 70.6539

Trichromacy



Original Color

68.3379, 66.6477, 38.1167

Protanomaly

64.3930, 66.7438, 39.6260

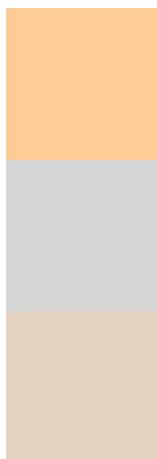
Deuteranomaly

67.9709, 66.4586, 38.0995

Tritanomaly

71.3120, 66.7074, 57.2614

Monochromacy



Original Color

68.3379, 66.6477, 38.1167

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.3358, 66.3049, 58.1225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3379, 66.6477, 38.1167 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 150) }
```

Border

The CSS property to change the border of an element to XYZ 68.3379, 66.6477, 38.1167 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, 150) }
```


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

```
.border{ border-color:rgb(255, 204, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3379, 66.6477, 38.1167 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, 150) }
```

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

```
.background{ background-color: rgb(255,  
204, 150) }
```

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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