

Converting Colors

XYZ(68.2278, 66.0360, 39.2872)

Have a look what the booklet for
XYZ(68.2278, 66.0360, 39.2872)
contains.

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Color

**XYZ(68.3457, 66.2718,
39.3265)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCB99
RGB	255, 203, 153
RGB Percent	100%, 80%, 60%
CMY	0.0000, 0.2039, 0.4000
CMYK	0.00, 0.20, 0.40, 0.00
HSL	29°, 100%, 80%
HSV	29°, 40%, 100%
XYZ	68.3457, 66.2718, 39.3265
YIQ	212.8480, 47.0420, -4.5260

Conversions

Conversions Part 2

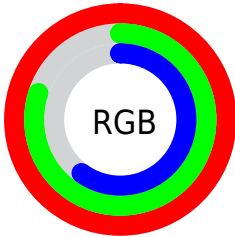
Format	Color
R _Y B	255, 251, 153
Decimal	16763801
CIE Lab	85.13, 12.02, 31.94
CIE LCh	85, 34.127, 69.374
Yxy	66.2718, 0.3929, 0.3810
Android (android.graphics.Color)	4294953881 (0xFFFFCB99)
YUV	212.8480, -29.5051, 36.9673
Hunter-Lab	81.4075, 7.3966, 28.3433

Details

The XYZ color **68.3457, 66.2718, 39.3265** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.0173, 57.6528, 102.9414**, and the grayscale version is **63.3147, 66.6119, 72.5404**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **35.8614, 34.1702, 17.0173** is the 20% darker color. If you saturate the color by 10%, you get **63.5187, 59.6358, 28.4136**, and if you desaturate by 10%, it is **73.8835, 73.6089, 52.6980**.

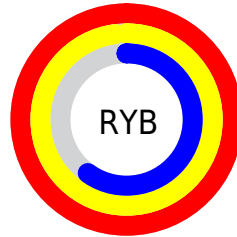
Distribution



Red (100%)

Green (80%)

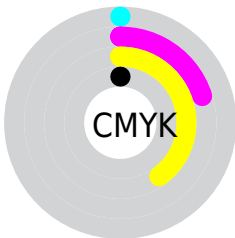
Blue (60%)



Red (100%)

Yellow (98%)

Blue (60%)

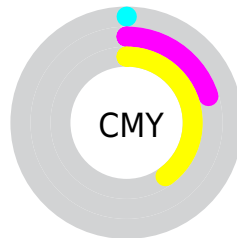


Cyan (0%)

Magenta (20%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3457, 66.2718, 39.3265 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 68.3457, 66.2718, 39.3265 by changing the saturation by 10% instead.


 68.3457, 66.2718,
39.3265

 68.3457, 66.2718,
39.3265


444.0774,
447.3483, 358.7440

 50.4537, 48.4931,
26.7040


 115.8857,
113.8764, 75.3627

 35.9933, 34.2175,
17.1206


 146.2645,
144.4710, 99.6134

 24.5991, 23.0608,
10.1576


181.5363,
180.1063, 128.5774

 15.9058, 14.6384,
5.3966

222.0664,
221.1669, 162.6731

 9.5479, 8.5660,
2.4190

268.2202,
268.0369, 202.3191

 5.1602, 4.4592,
0.7968

320.3631,

 2.3773, 1.9336,

321.1009, 247.9338

0.0000

378.8604,
380.7432, 299.9360

■ 0.8338, 0.5685,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.3457, 66.2718,
39.3265

■ 68.3457, 66.2718,
39.3265

■ 63.5187, 59.6358,
28.4136

■ 73.8835, 73.6089,
52.6980

■ 59.3623, 53.6674,
19.8010

■ 80.1596, 81.6604,
68.6650

■ 55.8394, 48.3436,
13.3175

■ 87.2058, 90.4508,
87.3591

■ 52.9061, 43.6362,
8.7664

95.0499, 100.0000,
108.9000

■ 50.5113, 39.5133,
5.9129

■ 48.5755, 35.9311,
4.3752

■ 48.5754, 35.9308,
4.3751

Harmonies

Analogous

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



75.1311, 66.2718, 48.4806



68.3457, 66.2718, 39.3265



60.6105, 66.2718, 37.9093

Triad

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



68.3457, 66.2718, 39.3265



49.4917, 66.2718, 79.2817



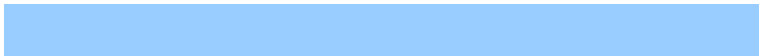
72.8478, 66.2718, 110.1147

Complementary

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



68.3457, 66.2718, 39.3265



53.0173, 57.6528, 102.9414

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.



65.4297, 66.2718, 122.5521



68.3457, 66.2718, 39.3265



52.2317, 66.2718, 102.5108

Square

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



68.3457, 66.2718, 39.3265



50.1337, 66.2718, 58.2393



57.9204, 66.2718, 119.5169



77.8738, 66.2718, 88.1361

Rectangle

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



68.3457, 66.2718, 39.3265



56.0081, 66.2718, 41.1770



57.9204, 66.2718, 119.5169



70.5279, 66.2718, 115.7344

Sweetspot

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



68.3474, 66.2749, 39.3278



85.7331, 88.6320, 83.3948



63.7357, 48.4847, 64.2014



18.1483, 18.7202, 17.3090



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.



68.3474, 66.2749, 39.3278



64.4292, 60.9088, 30.4065



82.2099, 94.0000, 43.9487



18.7447, 19.4575, 18.9121



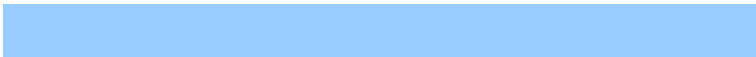
25.5303, 19.0717, 2.3356



2.5948, 2.0749, 0.2637

Inverse Universe

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



53.0173, 57.6528, 102.9414



47.1734, 51.2012, 102.0043



42.8590, 37.3360, 99.5553



17.7685, 18.9087, 22.9632



13.7516, 12.4127, 51.1057



1.4483, 1.4273, 5.0124

Previews

White Background



This preview shows how the XYZ color 68.3457, 66.2718, 39.3265 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 68.3457, 66.2718, 39.3265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

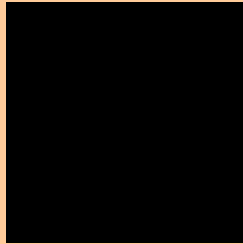
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3457, 66.2718, 39.3265

Background



This preview shows how black text looks on a background with the XYZ color 68.3457, 66.2718, 39.3265.



This preview shows how white text looks on a background with the XYZ color 68.3457, 66.2718,

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

68.3457, 66.2718, 39.3265

Protanopia

61.8750, 66.5168, 41.4762

Deuteranopia

67.8506, 66.3683, 39.3712



Tritanopia

73.1920, 66.3513, 70.5775

Trichromacy



Original Color

68.3457, 66.2718, 39.3265

Protanomaly

64.0611, 66.1784, 40.8498

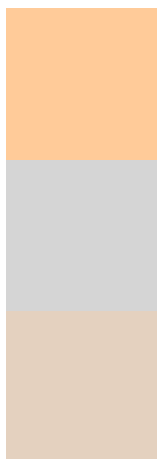
Deuteranomaly

68.2157, 66.5565, 39.3883

Tritanomaly

71.1885, 66.2863, 57.7577

Monochromacy



Original Color

68.3457, 66.2718, 39.3265

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.1993, 65.8565, 58.6181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3457, 66.2718, 39.3265 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, 203, 153)` looks like.

```
.text, #text, p{  
  color:rgb(255, 203, 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, 203, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 153) }
```

Border

The CSS property to change the border of an element to XYZ 68.3457, 66.2718, 39.3265 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, 203, 153) }
```


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

```
.border{ border-color:rgb(255, 203, 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, 203, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3457, 66.2718, 39.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 153) }
```

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

```
.background{ background-color: rgb(255,  
203, 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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