

Converting Colors

XYZ(72.4830, 70.0311, 39.5003)

Have a look what the booklet for
XYZ(72.4830, 70.0311, 39.5003)
contains.

XYZ(69.4634, 68.6387, 39.2933)	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(69.4634, 68.6387,
39.2933)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD098
RGB	255, 208, 152
RGB Percent	100%, 82%, 60%
CMY	0.0000, 0.1843, 0.4039
CMYK	0.00, 0.18, 0.40, 0.00
HSL	33°, 100%, 80%
HSV	33°, 40%, 100%
XYZ	69.4634, 68.6387, 39.2933
YIQ	215.6690, 45.9880, -7.4520

Conversions

Conversions Part 2

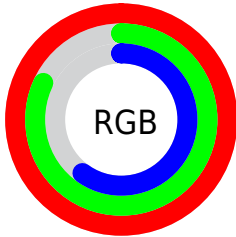
Format	Color
R _Y B	238, 255, 152
Decimal	16765080
CIE Lab	86.32, 9.32, 34.03
CIE LCh	86, 35.285, 74.682
Yxy	68.6387, 0.3916, 0.3869
Android (android.graphics.Color)	4294955160 (0xFFFFD098)
YUV	215.6690, -31.3888, 34.4933
Hunter-Lab	82.8485, 4.6765, 29.8739

Details

The XYZ color **69.4634, 68.6387, 39.2933** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.4217, 54.7405, 102.4635**, and the grayscale version is **65.2313, 68.6284, 74.7363**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **36.8818, 35.9016, 17.0424** is the 20% darker color. If you saturate the color by 10%, you get **64.8623, 62.4271, 28.5400**, and if you desaturate by 10%, it is **74.7250, 75.4525, 52.4832**.

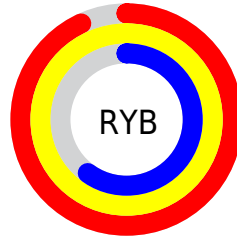
Distribution



Red (100%)

Green (82%)

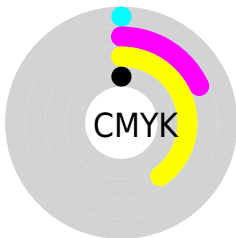
Blue (60%)



Red (93%)

Yellow (100%)

Blue (60%)

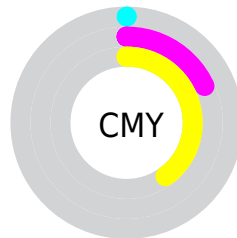


Cyan (0%)

Magenta (18%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.4634, 68.6387, 39.2933 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 69.4634, 68.6387, 39.2933 by changing the saturation by 10% instead.


 69.4634, 68.6387,
39.2933

 69.4634, 68.6387,
39.2933


447.9595,
455.7557, 358.5990

 51.3672, 50.4175,
26.6784


 117.4737,
117.2654, 75.3114

 36.7232, 35.7453,
17.1015


 148.1184,
148.4397, 99.5517

 25.1659, 24.2375,
10.1442

183.6768,
184.7005, 128.5043

 16.3301, 15.5099,
5.3878

224.5140,
226.4321, 162.5875

 9.8504, 9.1780,
2.4139

270.9956,
274.0191, 202.2201

 5.3614, 4.8575,
0.7940

323.4868,

 2.4977, 2.1639,

327.8458, 247.8205

0.0000

382.3530,
388.2965, 299.8073

■ 0.8941, 0.7002,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.4634, 68.6387,
39.2933

■ 69.4634, 68.6387,
39.2933

■ 64.8623, 62.4271,
28.5400

■ 74.7250, 75.4525,
52.4832

■ 60.8831, 56.7877,
20.0647

■ 80.6728, 82.8781,
68.2464

■ 57.4905, 51.7014,
13.6964

■ 87.3371, 90.9368,
86.7142

■ 54.6426, 47.1439,
9.2376

94.7447, 99.6457,
108.0077

■ 52.2899, 43.0876, 95.0500, 100.0000,
6.4526 108.9000

■ 50.4226, 39.6252,
4.9909

Harmonies

Analogous

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



77.0170, 68.6387, 47.4311



69.4634, 68.6387, 39.2933



61.3505, 68.6387, 39.2094

Triad

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



69.4634, 68.6387, 39.2933



51.2348, 68.6387, 86.6870



76.8798, 68.6387, 111.3682

Complementary

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



69.4634, 68.6387, 39.2933



51.4217, 54.7405, 102.4635

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.



69.2884, 68.6387, 127.0468



69.4634, 68.6387, 39.2933



54.7275, 68.6387, 110.9095

Square

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



69.4634, 68.6387, 39.2933



51.2731, 68.6387, 63.5046



61.1895, 68.6387, 126.8634



81.5353, 68.6387, 87.2190

Rectangle

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



69.4634, 68.6387, 39.2933



56.7291, 68.6387, 43.5936



61.1895, 68.6387, 126.8634



74.5601, 68.6387, 118.0073

Sweetspot

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



69.4651, 68.6419, 39.2947



86.2156, 89.5969, 83.5557



62.9018, 47.8905, 60.6136



18.2618, 18.9472, 17.3468



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.



69.4651, 68.6419, 39.2947



65.9049, 63.8602, 30.8984



81.4158, 94.4017, 43.6370



18.8278, 19.6238, 18.9398



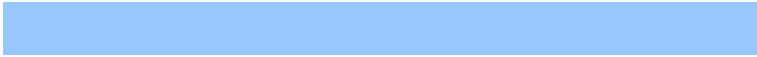
26.4982, 21.0075, 2.6583



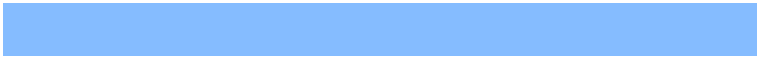
2.6893, 2.2640, 0.2953

Inverse Universe

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



51.4217, 54.7405, 102.4635



45.7385, 48.3313, 101.5259



42.8799, 36.6889, 99.4294



17.6857, 18.7431, 22.9356



12.8607, 10.6311, 50.8088



1.3598, 1.2503, 4.9829

Previews

White Background



This preview shows how the XYZ color 69.4634, 68.6387, 39.2933 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 69.4634, 68.6387, 39.2933 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 69.4634, 68.6387, 39.2933

Background



This preview shows how black text looks on a background with the XYZ color 69.4634, 68.6387, 39.2933.



This preview shows how white text looks on a background with the XYZ color 69.4634, 68.6387,

39.2933.

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

69.4634, 68.6387, 39.2933

Protanopia

64.0765, 68.8019, 40.9133

Deuteranopia

69.8817, 68.8061, 41.4960



Tritanopia

74.6263, 68.4074, 73.5607

Trichromacy



Original Color

69.4634, 68.6387, 39.2933

Protanomaly

65.9026, 68.6224, 40.3438

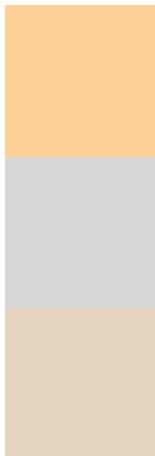
Deuteranomaly

69.7123, 68.7383, 40.6039

Tritanomaly

72.3473, 68.2515, 59.2299

Monochromacy



Original Color

69.4634, 68.6387, 39.2933

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.0530, 68.2617, 60.1465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4634, 68.6387, 39.2933 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, 208, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 152)  
}
```

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, 208, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 152) }
```

Border

The CSS property to change the border of an element to XYZ 69.4634, 68.6387, 39.2933 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, 208, 152) }
```


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

```
.border{ border-color:rgb(255, 208, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4634, 68.6387, 39.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 152) }
```

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

```
.background{ background-color: rgb(255,  
208, 152) }
```

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