

Converting Colors

XYZ(115.0213, 91.0481,
41.2432)

Have a look what the booklet for
XYZ(115.0213, 91.0481, 41.2432)
contains.

XYZ(68.7388, 67.1896, 39.0517)	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(68.7388, 67.1896,
39.0517)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCD98
RGB	255, 205, 152
RGB Percent	100%, 80%, 60%
CMY	0.0000, 0.1961, 0.4039
CMYK	0.00, 0.20, 0.40, 0.00
HSL	31°, 100%, 80%
HSV	31°, 40%, 100%
XYZ	68.7388, 67.1896, 39.0517
YIQ	213.9080, 46.8130, -5.8830

Conversions

Conversions Part 2

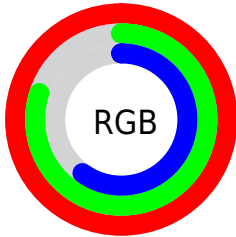
Format	Color
R _Y B	249, 255, 152
Decimal	16764312
CIE Lab	85.60, 10.88, 33.07
CIE LCh	86, 34.815, 71.797
Yxy	67.1896, 0.3928, 0.3840
Android (android.graphics.Color)	4294954392 (0xFFFFCD98)
YUV	213.9080, -30.5206, 36.0377
Hunter-Lab	81.9693, 6.2425, 29.1316

Details

The XYZ color **68.7388, 67.1896, 39.0517** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.1187, 56.1344, 102.6958**, and the grayscale version is **64.0328, 67.3675, 73.3632**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **36.1318, 34.7891, 16.8672** is the 20% darker color. If you saturate the color by 10%, you get **64.0264, 60.7555, 28.2613**, and if you desaturate by 10%, it is **74.1378, 74.2781, 52.2874**.

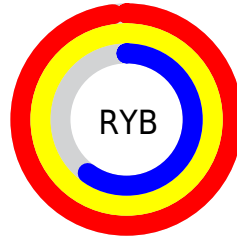
Distribution



Red (100%)

Green (80%)

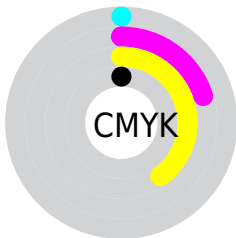
Blue (60%)



Red (98%)

Yellow (100%)

Blue (60%)

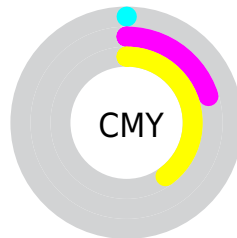


Cyan (0%)

Magenta (20%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7388, 67.1896, 39.0517 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 68.7388, 67.1896, 39.0517 by changing the saturation by 10% instead.


 68.7388, 67.1896,
39.0517


 68.7388, 67.1896,
39.0517


445.4450,
450.6194, 357.5428

 50.7749, 49.2387,
26.4918


 116.4445,
115.1920, 74.9385

 36.2498, 34.8089,
16.9629

 146.9171,
146.0124, 99.1025

 24.7982, 23.5157,
10.0463


182.2899,
181.8914, 127.9716

 16.0547, 14.9748,
5.3237

222.9283,
223.2134, 161.9644

 9.6540, 8.8017,
2.3764

269.1976,
270.3628, 201.4993

 5.2306, 4.6120,
0.7735

321.4633,

 2.4193, 2.0215,

323.7240, 246.9950

0.0000

380.0906,
383.6814, 298.8700

■ 0.8548, 0.6199,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.7388, 67.1896,
39.0517

■ 68.7388, 67.1896,
39.0517

■ 64.0264, 60.7555,
28.2613

■ 74.1378, 74.2781,
52.2874

■ 59.9612, 54.9439,
19.7573

■ 80.2500, 82.0325,
68.1053

■ 56.5067, 49.7339,
13.3684

■ 87.1066, 90.4759,
86.6372

■ 53.6200, 45.0989,
8.8967

94.7353, 99.6271,
108.0043

■ 51.2506, 41.0091, 95.0500, 100.0000,
6.1061 108.9000

■ 49.3868, 37.5537,
4.6456

Harmonies

Analogous

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



75.9029, 67.1896, 47.7664



68.7388, 67.1896, 39.0517



60.7982, 67.1896, 38.2274

Triad

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



68.7388, 67.1896, 39.0517



50.0825, 67.1896, 82.4432



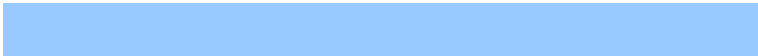
74.5604, 67.1896, 110.7341

Complementary

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



68.7388, 67.1896, 39.0517



52.1187, 56.1344, 102.6958

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.



67.0265, 67.1896, 124.7032



68.7388, 67.1896, 39.0517



53.1665, 67.1896, 106.2520

Square

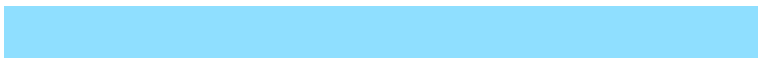
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7388, 67.1896, 39.0517



50.4581, 67.1896, 60.3601



59.2209, 67.1896, 122.9115



79.4507, 67.1896, 87.6480

Rectangle

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



68.7388, 67.1896, 39.0517



56.1678, 67.1896, 41.9940



59.2209, 67.1896, 122.9115



72.2280, 67.1896, 116.8473

Sweetspot

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



68.7405, 67.1928, 39.0531



85.9523, 89.0705, 83.4679



63.3078, 48.0528, 62.7518



18.1998, 18.8233, 17.3262



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.



68.7405, 67.1928, 39.0531



65.0934, 62.2372, 30.6279



82.6676, 95.0470, 43.6954



18.7825, 19.5331, 18.9247



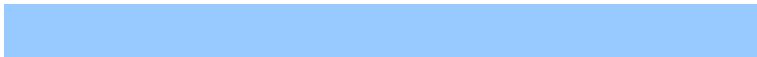
25.9559, 19.9231, 2.4775



2.6366, 2.1586, 0.2777

Inverse Universe

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



52.1187, 56.1344, 102.6958



46.5118, 49.8781, 101.7837



42.2278, 36.3527, 99.3988



17.7308, 18.8331, 22.9506



13.3309, 11.5714, 50.9655



1.4068, 1.3443, 4.9986

Previews

White Background



This preview shows how the XYZ color 68.7388, 67.1896, 39.0517 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 68.7388, 67.1896, 39.0517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

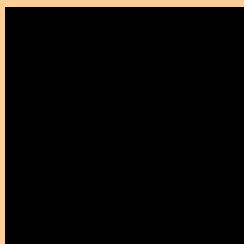
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7388, 67.1896, 39.0517

Background



This preview shows how black text looks on a background with the XYZ color 68.7388, 67.1896, 39.0517.



This preview shows how white text looks on a background with the XYZ color 68.7388, 67.1896,

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

68.7388, 67.1896, 39.0517

Protanopia

62.6804, 67.3164, 41.1422

Deuteranopia

68.7388, 67.1896, 39.0517



Tritanopia

73.9045, 67.3726, 72.0598

Trichromacy



Original Color

68.7388, 67.1896, 39.0517

Protanomaly

64.8073, 67.3058, 40.5860

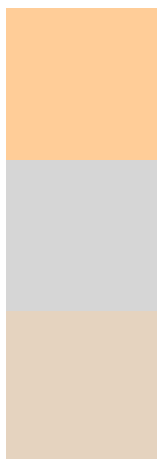
Deuteranomaly

68.7388, 67.1896, 39.0517

Tritanomaly

71.7645, 67.2626, 58.4908

Monochromacy



Original Color

68.7388, 67.1896, 39.0517

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.0113, 67.0081, 58.7976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7388, 67.1896, 39.0517 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, 205, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 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, 205, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 152) }
```

Border

The CSS property to change the border of an element to XYZ 68.7388, 67.1896, 39.0517 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, 205, 152) }
```


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

```
.border{ border-color:rgb(255, 205, 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, 205, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7388, 67.1896, 39.0517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 152) }
```

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

```
.background{ background-color: rgb(255,  
205, 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](#).

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