

Converting Colors

XYZ(130.0898, 99.9591,
43.5741)

Have a look what the booklet for
XYZ(130.0898, 99.9591, 43.5741)
contains.

XYZ(69.7123, 68.7383, 40.6039)	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(69.7123, 68.7383,
40.6039)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD09B
RGB	255, 208, 155
RGB Percent	100%, 82%, 61%
CMY	0.0000, 0.1843, 0.3921
CMYK	0.00, 0.18, 0.39, 0.00
HSL	32°, 100%, 80%
HSV	32°, 39%, 100%
XYZ	69.7123, 68.7383, 40.6039
YIQ	216.0110, 45.0250, -6.5190

Conversions

Conversions Part 2

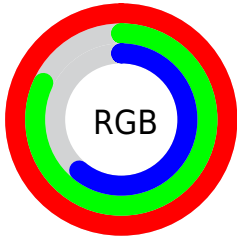
Format	Color
R_{YB}	244, 255, 155
Decimal	16765083
CIE _{Lab}	86.37, 9.65, 32.55
CIE _{LCh}	86, 33.949, 73.494
Yxy	68.7383, 0.3893, 0.3839
Android (android.graphics.Color)	4294955163 (0xFFFFD09B)
YUV	216.0110, -30.0784, 34.1934
Hunter-Lab	82.9086, 4.9988, 28.9991

Details

The XYZ color **69.7123, 68.7383, 40.6039** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.6874, 56.4277, 102.7224**, and the grayscale version is **65.4562, 68.8650, 74.9940**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **37.0297, 35.9608, 17.8214** is the 20% darker color. If you saturate the color by 10%, you get **64.9810, 62.3485, 29.5538**, and if you desaturate by 10%, it is **75.1200, 75.7570, 54.1119**.

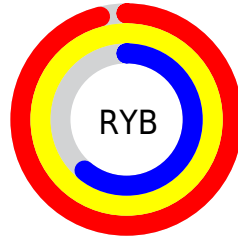
Distribution



Red (100%)

Green (82%)

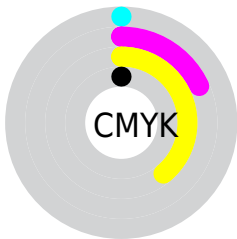
Blue (61%)



Red (96%)

Yellow (100%)

Blue (61%)

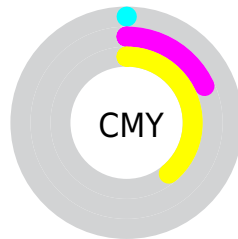


Cyan (0%)

Magenta (18%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.7123, 68.7383, 40.6039 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 69.7123, 68.7383, 40.6039 by changing the saturation by 10% instead.


 69.7123, 68.7383,
40.6039


 69.7123, 68.7383,
40.6039


448.8214,
456.1074, 364.2899

 51.5708, 50.4986,
27.6923


 117.8269,
117.4077, 77.3294

 36.8859, 35.8097,
17.8569


 148.5307,
148.6062, 101.9803

 25.2925, 24.2873,
10.6789

184.1526,
184.8931, 131.3816

 16.4250, 15.5469,
5.7399

225.0579,
226.6528, 165.9515

 9.9181, 9.2041,
2.6214

271.6122,
274.2697, 206.1088

 5.4066, 4.8745,
0.9035

324.1806,

 2.5249, 2.1738,

328.1282, 252.2719

0.0000

383.1285,
388.6126, 304.8594

■ 0.9078, 0.7057,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.7123, 68.7383,
40.6039

■ 69.7123, 68.7383,
40.6039

■ 64.9810, 62.3485,
29.5538

■ 75.1200, 75.7570,
54.1119

■ 60.8874, 56.5568,
20.8046

■ 81.2300, 83.4147,
70.2131

■ 57.3963, 51.3435,
14.1876

■ 88.0726, 91.7335,
89.0379

■ 54.4660, 46.6837,
9.5086

95.0500, 100.0000,
108.9000

■ 52.0475, 42.5491,
6.5372

■ 50.0699, 38.9023,
4.9274

■ 49.9269, 38.6338,
4.8256

Harmonies

Analogous

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



76.8950, 68.7383, 48.8811



69.7123, 68.7383, 40.6039



61.8777, 68.7383, 40.2144

Triad

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



69.7123, 68.7383, 40.6039



51.7401, 68.7383, 85.3809



76.2720, 68.7383, 110.7487

Complementary

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



69.7123, 68.7383, 40.6039



52.6874, 56.4277, 102.7224

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.



68.9160, 68.7383, 125.1827



69.7123, 68.7383, 40.6039



54.9935, 68.7383, 108.6777

Square

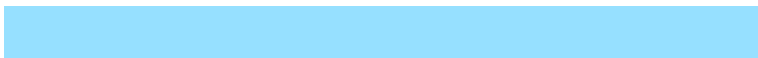
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7123, 68.7383, 40.6039



51.9158, 68.7383, 63.2328



61.1424, 68.7383, 124.3569



80.8846, 68.7383, 87.7969

Rectangle

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



69.7123, 68.7383, 40.6039



57.3603, 68.7383, 44.2971



61.1424, 68.7383, 124.3569



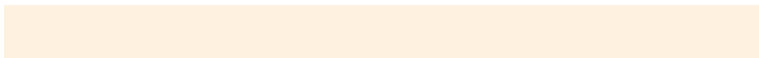
74.0137, 68.7383, 116.9453

Sweetspot

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



69.7140, 68.7415, 40.6053



86.0917, 89.3492, 83.5144



63.7810, 49.0311, 62.8113



18.2326, 18.8889, 17.3371



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.



69.7140, 68.7415, 40.6053



65.9730, 63.7119, 31.7976



82.3060, 94.8319, 44.9776



18.8065, 19.5812, 18.9327



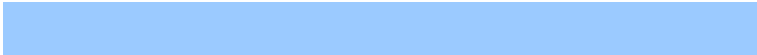
26.2388, 20.4888, 2.5718



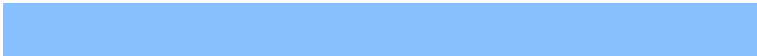
2.6642, 2.2138, 0.2869

Inverse Universe

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



52.6874, 56.4277, 102.7224



46.7999, 49.8515, 101.7634



43.6117, 37.7981, 99.6049



17.7069, 18.7854, 22.9426



13.0773, 11.0642, 50.8809



1.3815, 1.2938, 4.9902

Previews

White Background



This preview shows how the XYZ color 69.7123, 68.7383, 40.6039 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 69.7123, 68.7383, 40.6039 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 69.7123, 68.7383, 40.6039

Background



This preview shows how black text looks on a background with the XYZ color 69.7123, 68.7383, 40.6039.



This preview shows how white text looks on a background with the XYZ color 69.7123, 68.7383,

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

69.7123, 68.7383, 40.6039

Protanopia

64.0926, 68.7707, 42.6969

Deuteranopia

70.0539, 68.8750, 42.4028



Tritanopia

74.9906, 68.9297, 74.3181

Trichromacy



Original Color

69.7123, 68.7383, 40.6039

Protanomaly

65.9010, 68.5824, 42.1121

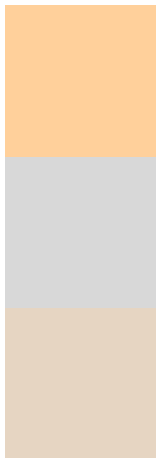
Deuteranomaly

69.9674, 68.8404, 41.9476

Tritanomaly

72.8089, 68.8177, 60.4846

Monochromacy



Original Color

69.7123, 68.7383, 40.6039

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.1650, 68.3065, 60.7361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7123, 68.7383, 40.6039 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 155) }
```

Border

The CSS property to change the border of an element to XYZ 69.7123, 68.7383, 40.6039 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, 155) }
```


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

```
.border{ border-color:rgb(255, 208, 155) }
```

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, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7123, 68.7383, 40.6039 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, 155) }
```

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

```
.background{ background-color: rgb(255,  
208, 155) }
```

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