

Converting Colors

XYZ(82.0437, 73.4349, 42.4575)

Have a look what the booklet for
XYZ(82.0437, 73.4349, 42.4575)
contains.

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Color

**XYZ(68.8539, 66.4751,
42.0029)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCB9F
RGB	255, 203, 159
RGB Percent	100%, 80%, 62%
CMY	0.0000, 0.2039, 0.3765
CMYK	0.00, 0.20, 0.38, 0.00
HSL	28°, 100%, 81%
HSV	28°, 38%, 100%
XYZ	68.8539, 66.4751, 42.0029
YIQ	213.5320, 45.1160, -2.6600

Conversions

Conversions Part 2

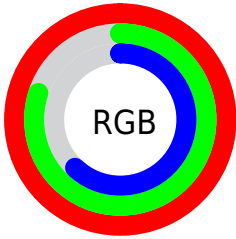
Format	Color
R _Y B	255, 240, 159
Decimal	16763807
CIE Lab	85.24, 12.68, 28.96
CIE LCh	85, 31.613, 66.345
Yxy	66.4751, 0.3883, 0.3749
Android (android.graphics.Color)	4294953887 (0xFFFFCB9F)
YUV	213.5320, -26.8843, 36.3674
Hunter-Lab	81.5323, 8.0616, 26.5282

Details

The XYZ color **68.8539, 66.4751, 42.0029** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.6414, 61.1771, 103.4833**, and the grayscale version is **63.7571, 67.0774, 73.0473**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **36.4272, 34.4267, 18.6350** is the 20% darker color. If you saturate the color by 10%, you get **63.7480, 59.4468, 30.4870**, and if you desaturate by 10%, it is **74.7102, 74.2735, 56.0223**.

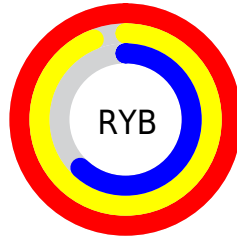
Distribution



Red (100%)

Green (80%)

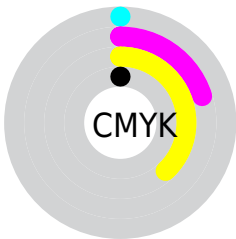
Blue (62%)



Red (100%)

Yellow (94%)

Blue (62%)

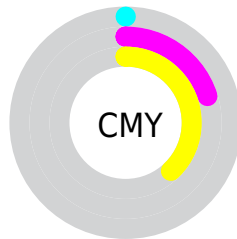


Cyan (0%)

Magenta (20%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8539, 66.4751, 42.0029 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 68.8539, 66.4751, 42.0029 by changing the saturation by 10% instead.


 68.8539, 66.4751,
42.0029


 68.8539, 66.4751,
42.0029


445.8450,
448.0741, 370.2950

 50.8689, 48.6582,
28.7780


 116.6081,
114.1680, 79.4742

 36.3249, 34.3484,
18.6688


 147.1080,
144.8127, 104.5576

 24.8565, 23.1614,
11.2568


182.5103,
180.5021, 134.4309

 16.0984, 14.7127,
6.1235

223.1804,
221.6207, 169.5126

 9.6851, 8.6180,
2.8503

269.4835,
268.5528, 210.2214

 5.2513, 4.4929,
1.0187

321.7851,

 2.4317, 1.9529,

321.6828, 256.9757

0.0000

380.4504,
381.3951, 310.1940

■ 0.8610, 0.5799,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.8539, 66.4751,
42.0029

■ 68.8539, 66.4751,
42.0029

■ 63.7480, 59.4468,
30.4870

■ 74.7102, 74.2735,
56.0223

■ 59.3517, 53.1526,
21.3192

■ 81.3451, 82.8573,
72.6797

■ 55.6274, 47.5676,
14.3327

■ 88.7910, 92.2534,
92.1048

■ 52.5312, 42.6609,
9.3368

95.0499, 100.0000,
108.9000

■ 50.0123, 38.3984,
6.1070

■ 48.0062, 34.7400,
4.3476

■ 47.5884, 33.9569,
4.0462

Harmonies

Analogous

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



74.9011, 66.4751, 51.4852



68.8539, 66.4751, 42.0029



61.6771, 66.4751, 39.9074

Triad

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



68.8539, 66.4751, 42.0029



50.4939, 66.4751, 76.8139



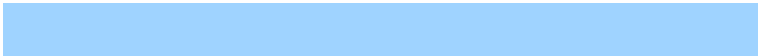
71.6752, 66.4751, 108.9023

Complementary

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



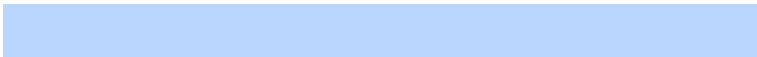
68.8539, 66.4751, 42.0029



55.6414, 61.1771, 103.4833

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.



64.7124, 66.4751, 118.9241



68.8539, 66.4751, 42.0029



52.7549, 66.4751, 98.2784

Square

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



68.8539, 66.4751, 42.0029



51.4207, 66.4751, 57.7198



57.8316, 66.4751, 114.7093



76.6138, 66.4751, 89.3336

Rectangle

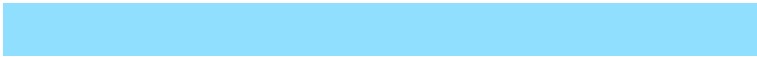
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8539, 66.4751, 42.0029



57.2825, 66.4751, 42.5481



57.8316, 66.4751, 114.7093



69.4745, 66.4751, 113.6520

Sweetspot

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



68.8556, 66.4782, 42.0042



86.2018, 89.0104, 85.2743



65.4969, 50.8003, 68.5090



18.2324, 18.7769, 17.6806



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.



68.8556, 66.4782, 42.0042



65.0290, 61.2347, 33.2998



81.7458, 92.2587, 46.3010



18.6954, 19.3590, 18.8956



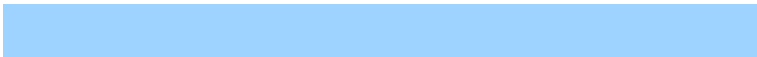
25.0113, 18.0338, 2.1626



2.5430, 1.9713, 0.2465

Inverse Universe

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



55.6414, 61.1771, 103.4833



50.1218, 55.2459, 102.6296



45.5884, 41.0711, 100.1323



17.8181, 19.0079, 22.9797



14.3399, 13.5893, 51.3018



1.5055, 1.5418, 5.0315

Previews

White Background



This preview shows how the XYZ color 68.8539, 66.4751, 42.0029 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 68.8539, 66.4751, 42.0029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

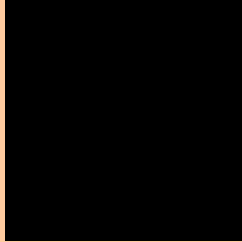
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8539, 66.4751, 42.0029

Background



This preview shows how black text looks on a background with the XYZ color 68.8539, 66.4751, 42.0029.



This preview shows how white text looks on a background with the XYZ color 68.8539, 66.4751,

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

68.8539, 66.4751, 42.0029

Protanopia

62.4000, 66.7268, 44.2411

Deuteranopia

67.9958, 66.3844, 42.0306



Tritanopia

73.1920, 66.3513, 70.5775

Trichromacy



Original Color

68.8539, 66.4751, 42.0029

Protanomaly

64.5819, 66.3867, 43.5925

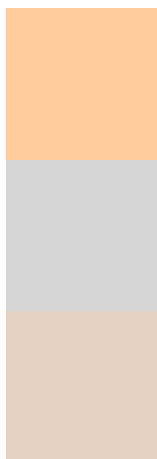
Deuteranomaly

68.3589, 66.5716, 42.0476

Tritanomaly

71.4087, 66.3743, 58.9171

Monochromacy



Original Color

68.8539, 66.4751, 42.0029

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.0973, 66.6462, 60.4720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8539, 66.4751, 42.0029 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 159) }
```

Border

The CSS property to change the border of an element to XYZ 68.8539, 66.4751, 42.0029 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, 159) }
```


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

```
.border{ border-color:rgb(255, 203, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8539, 66.4751, 42.0029 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, 159) }
```

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

```
.background{ background-color: rgb(255,  
203, 159) }
```

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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