

Converting Colors

XYZ(68.4603, 65.1653, 43.4826)

Have a look what the booklet for
XYZ(68.4603, 65.1653, 43.4826)
contains.

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Color

**XYZ(68.5051, 65.2129,
43.6271)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC8A3
RGB	255, 200, 163
RGB Percent	100%, 78%, 64%
CMY	0.0000, 0.2157, 0.3608
CMYK	0.00, 0.22, 0.36, 0.00
HSL	24°, 100%, 82%
HSV	24°, 36%, 100%
XYZ	68.5051, 65.2129, 43.6271
YIQ	212.2270, 44.6570, 0.1530

Conversions

Conversions Part 2

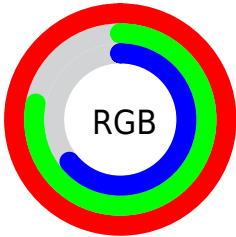
Format	Color
R _Y B	255, 225, 163
Decimal	16763043
CIE Lab	84.59, 14.70, 25.99
CIE LCh	85, 29.863, 60.503
Yxy	65.2129, 0.3863, 0.3677
Android (android.graphics.Color)	4294953123 (0xFFFFC8A3)
YUV	212.2270, -24.2689, 37.5119
Hunter-Lab	80.7545, 10.1035, 24.4971

Details

The XYZ color **68.5051, 65.2129, 43.6271** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.2247, 65.1470, 104.1135**, and the grayscale version is **62.8673, 66.1413, 72.0279**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **36.1741, 33.5758, 19.6131** is the 20% darker color. If you saturate the color by 10%, you get **63.0909, 57.6796, 31.6641**, and if you desaturate by 10%, it is **74.7353, 73.6406, 58.1361**.

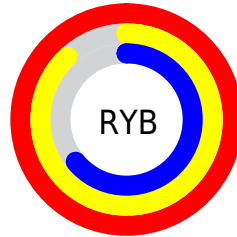
Distribution



Red (100%)

Green (78%)

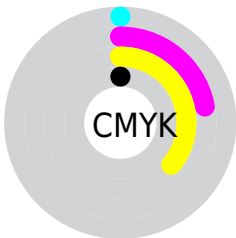
Blue (64%)



Red (100%)

Yellow (88%)

Blue (64%)

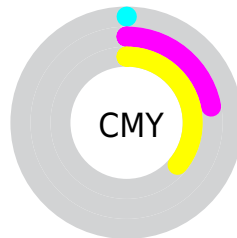


Cyan (0%)

Magenta (22%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5051, 65.2129, 43.6271 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 68.5051, 65.2129, 43.6271 by changing the saturation by 10% instead.

 68.5051, 65.2129,
43.6271


 68.5051, 65.2129,
43.6271


444.6323,
443.5566, 377.1811

 50.5839, 47.6337,
30.0424


 116.1124,
112.3559, 81.9528

 36.0973, 33.5369,
19.6185

 146.5292,
142.6885, 107.5309

 24.6798, 22.5381,
11.9367


181.8420,
178.0410, 137.9439

 15.9661, 14.2528,
6.5786

222.4160,
218.7979, 173.6103

 9.5909, 8.2967,
3.1255

268.6167,
265.3435, 214.9487

 5.1887, 4.2854,
1.1591

320.8094,

 2.3943, 1.8345,

318.0623, 262.3776

0.0000

379.3595,
377.3385, 316.3156

■ 0.8423, 0.5085,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.5051, 65.2129,
43.6271

■ 68.5051, 65.2129,
43.6271

■ 63.0909, 57.6796,
31.6641

■ 74.7353, 73.6406,
58.1361

■ 58.4497, 50.9999,
22.0931

■ 81.8119, 82.9833,
75.3249

■ 54.5414, 45.1429,
14.7493

■ 89.7696, 93.2725,
95.3226

■ 51.3199, 40.0721,
9.4450

95.0500, 100.0000,
108.9000

■ 48.7324, 35.7474,
5.9609

■ 46.7153, 32.1231,
4.0254

■ 46.0475, 30.8751,
3.5325

Harmonies

Analogous

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



73.6852, 65.2129, 53.9683



68.5051, 65.2129, 43.6271



61.8706, 65.2129, 40.2814

Triad

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



68.5051, 65.2129, 43.6271



50.0382, 65.2129, 71.3281



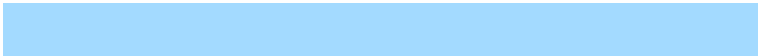
68.7134, 65.2129, 107.5281

Complementary

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



68.5051, 65.2129, 43.6271



58.2247, 65.1470, 104.1135

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.



62.0953, 65.2129, 114.3599



68.5051, 65.2129, 43.6271



51.5902, 65.2129, 91.2974

Square

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



68.5051, 65.2129, 43.6271



51.4908, 65.2129, 54.4339



55.8884, 65.2129, 107.9530



73.8114, 65.2129, 90.6399

Rectangle

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



68.5051, 65.2129, 43.6271



57.6046, 65.2129, 41.8937



55.8884, 65.2129, 107.9530



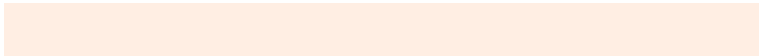
66.5777, 65.2129, 111.1992

Sweetspot

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



68.5068, 65.2160, 43.6284



85.7405, 88.0879, 85.1205



67.0186, 52.5275, 73.0740



18.1227, 18.5575, 17.6441



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

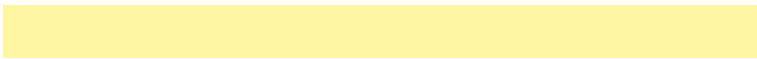
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5068, 65.2160, 43.6284



64.6735, 59.9064, 35.0842



80.7460, 89.6944, 47.7081



18.6091, 19.1863, 18.8669



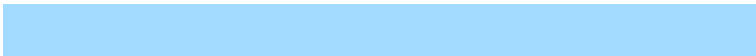
24.1976, 16.4064, 1.8914



2.4597, 1.8047, 0.2187

Inverse Universe

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



58.2247, 65.1470, 104.1135



53.0570, 59.8080, 103.3554



47.9455, 44.5886, 100.6871



17.9061, 19.1838, 23.0090



15.4853, 15.8802, 51.6836



1.6149, 1.7604, 5.0680

Previews

White Background



This preview shows how the XYZ color 68.5051, 65.2129, 43.6271 looks on a white background.

Color Contrast Check

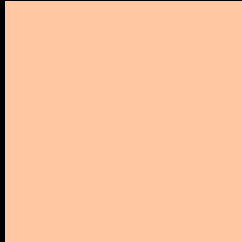
Large Text (above 18pt) WCAG AA × Fail

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 68.5051, 65.2129, 43.6271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

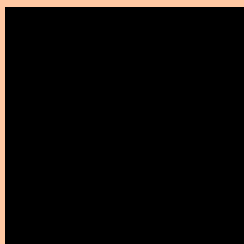
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5051, 65.2129, 43.6271

Background



This preview shows how black text looks on a background with the XYZ color 68.5051, 65.2129, 43.6271.



This preview shows how white text looks on a background with the XYZ color 68.5051, 65.2129,

43.6271.

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

68.5051, 65.2129, 43.6271

Protanopia

61.4135, 65.4232, 46.4369

Deuteranopia

66.5889, 65.2770, 43.2725



Tritanopia

72.4886, 65.3433, 69.1136

Trichromacy



Original Color

68.5051, 65.2129, 43.6271

Protanomaly

63.7878, 65.2117, 45.3015

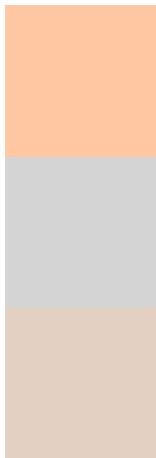
Deuteranomaly

67.4258, 65.3589, 43.2442

Tritanomaly

70.7207, 64.9983, 58.6877

Monochromacy



Original Color

68.5051, 65.2129, 43.6271

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

64.2884, 65.5008, 60.2935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5051, 65.2129, 43.6271 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, 200, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 163)  
}
```

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, 200, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 163) }
```

Border

The CSS property to change the border of an element to XYZ 68.5051, 65.2129, 43.6271 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, 200, 163) }
```


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

```
.border{ border-color:rgb(255, 200, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5051, 65.2129, 43.6271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 163) }
```

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

```
.background{ background-color: rgb(255,  
200, 163) }
```

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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