

Converting Colors

XYZ(109.4824, 87.6239,
46.7573)

Have a look what the booklet for
XYZ(109.4824, 87.6239, 46.7573)
contains.

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Color

**XYZ(69.6244, 67.1623,
44.8913)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCCA5
RGB	255, 204, 165
RGB Percent	100%, 80%, 65%
CMY	0.0000, 0.2000, 0.3529
CMYK	0.00, 0.20, 0.35, 0.00
HSL	26°, 100%, 82%
HSV	26°, 35%, 100%
XYZ	69.6244, 67.1623, 44.8913
YIQ	214.8030, 42.9150, -1.3170

Conversions

Conversions Part 2

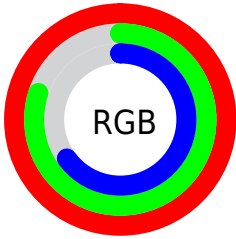
Format	Color
R _Y B	255, 234, 165
Decimal	16764069
CIE Lab	85.59, 12.85, 26.29
CIE LCh	86, 29.267, 63.946
Yxy	67.1623, 0.3832, 0.3697
Android (android.graphics.Color)	4294954149 (0xFFFFCCA5)
YUV	214.8030, -24.5529, 35.2528
Hunter-Lab	81.9526, 8.2310, 24.8895

Details

The XYZ color **69.6244, 67.1623, 44.8913** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.1221, 64.3289, 103.9611**, and the grayscale version is **64.5999, 67.9642, 74.0130**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **36.9129, 34.8753, 20.4089** is the 20% darker color. If you saturate the color by 10%, you get **64.2548, 59.7744, 32.7698**, and if you desaturate by 10%, it is **75.7787, 75.3787, 59.5588**.

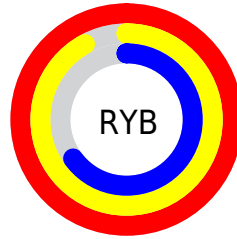
Distribution



Red (100%)

Green (80%)

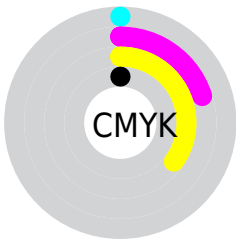
Blue (65%)



Red (100%)

Yellow (92%)

Blue (65%)

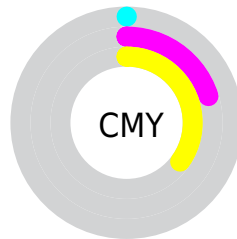


Cyan (0%)

Magenta (20%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.6244, 67.1623, 44.8913 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 69.6244, 67.1623, 44.8913 by changing the saturation by 10% instead.


 69.6244, 67.1623,
44.8913


 69.6244, 67.1623,
44.8913


448.5171,
450.5223, 382.4804

 51.4989, 49.2165,
31.0295


 117.7022,
115.1529, 83.8740

 36.8284, 34.7913,
20.3627


 148.3851,
145.9666, 109.8320

 25.2478, 23.5021,
12.4722


183.9846,
181.8384, 140.6591

 16.3915, 14.9647,
6.9397

224.8659,
223.1526, 176.7738

 9.8942, 8.7946,
3.3466

271.3945,
270.2937, 218.5948

 5.3906, 4.6075,
1.2742

323.9356,

 2.5153, 2.0188,

323.6461, 266.5405

0.0405

382.8547,
383.5941, 321.0296

■ 0.9030, 0.6184,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.6244, 67.1623,
44.8913

■ 69.6244, 67.1623,
44.8913

■ 64.2548, 59.7744,
32.7698

■ 75.7787, 75.3787,
59.5588

■ 59.6286, 53.1775,
23.0416

■ 82.7464, 84.4410,
76.9045

■ 55.7080, 47.3443,
15.5441

■ 90.5607, 94.3778,
97.0562

■ 52.4489, 42.2422,
10.0921

95.0500, 100.0000,
108.9000

■ 49.8012, 37.8353,
6.4700

■ 47.7045, 34.0828,
4.4122

■ 46.8717, 32.5234,
3.8072

Harmonies

Analogous

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



75.0539, 67.1623, 54.5082



69.6244, 67.1623, 44.8913



62.9589, 67.1623, 42.3144

Triad

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



69.6244, 67.1623, 44.8913



51.8985, 67.1623, 75.6804



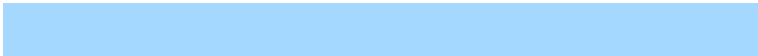
71.2537, 67.1623, 107.9492

Complementary

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



69.6244, 67.1623, 44.8913



58.1221, 64.3289, 103.9611

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.



64.7207, 67.1623, 116.1354



69.6244, 67.1623, 44.8913



53.7951, 67.1623, 95.5687

Square

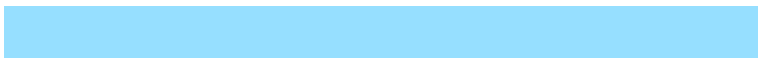
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.6244, 67.1623, 44.8913



53.0130, 67.1623, 58.1801



58.3772, 67.1623, 111.2532



76.0395, 67.1623, 90.4399

Rectangle

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



69.6244, 67.1623, 44.8913



58.7801, 67.1623, 44.4810



58.3772, 67.1623, 111.2532



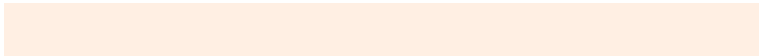
69.1733, 67.1623, 112.0086

Sweetspot

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



69.6261, 67.1654, 44.8927



85.9960, 88.5988, 85.2057



67.0902, 53.1288, 71.6851



18.1834, 18.6790, 17.6643



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.



69.6261, 67.1654, 44.8927



65.9397, 62.1195, 36.4904



81.9074, 91.7281, 48.9864



18.6569, 19.2819, 18.8828



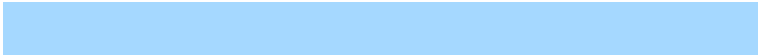
24.6334, 17.2780, 2.0367



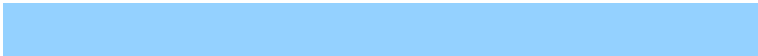
2.5046, 1.8946, 0.2337

Inverse Universe

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



58.1221, 64.3289, 103.9611



52.9431, 58.9034, 103.1868



48.1306, 44.3459, 100.6306



17.8572, 19.0860, 22.9927



14.8325, 14.5746, 51.4660



1.5529, 1.6364, 5.0473

Previews

White Background



This preview shows how the XYZ color 69.6244, 67.1623, 44.8913 looks on a white background.

Color Contrast Check

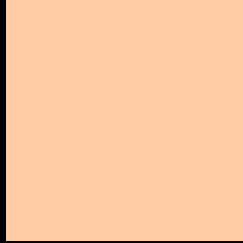
Large Text (above 18pt) WCAG AA × Fail

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 69.6244, 67.1623, 44.8913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

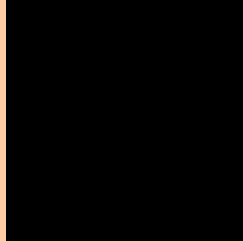
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.6244, 67.1623, 44.8913

Background



This preview shows how black text looks on a background with the XYZ color 69.6244, 67.1623, 44.8913.



This preview shows how white text looks on a background with the XYZ color 69.6244, 67.1623,

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

69.6244, 67.1623, 44.8913

Protanopia

63.2972, 67.4894, 47.7208

Deuteranopia

68.4065, 66.8885, 44.9027



Tritanopia

73.9045, 67.3726, 72.0598

Trichromacy



Original Color

69.6244, 67.1623, 44.8913

Protanomaly

65.3744, 67.0975, 46.5513

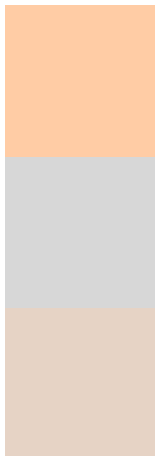
Deuteranomaly

68.7677, 67.0747, 44.9196

Tritanomaly

72.0905, 67.0188, 61.3609

Monochromacy



Original Color

69.6244, 67.1623, 44.8913

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.0054, 67.4427, 62.3622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6244, 67.1623, 44.8913 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, 204, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 165)  
}
```

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, 204, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 165) }
```

Border

The CSS property to change the border of an element to XYZ 69.6244, 67.1623, 44.8913 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, 204, 165) }
```


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

```
.border{ border-color:rgb(255, 204, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 204, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 204, 165); box-shadow:4px 4px 4px 4px rgb(255, 204, 165) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6244, 67.1623, 44.8913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 165) }
```

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

```
.background{ background-color: rgb(255,  
204, 165) }
```

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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