

Converting Colors

XYZ(64.6378, 63.9707, 45.1055)

Have a look what the booklet for
XYZ(64.6378, 63.9707, 45.1055)
contains.

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Color

**XYZ(64.6214, 63.8715,
44.9989)**

Conversions

Conversions Part 1

Format	Color
Hex	F2CAA6
RGB	242, 202, 166
RGB Percent	95%, 79%, 65%
CMY	0.0510, 0.2078, 0.3490
CMYK	0.00, 0.17, 0.31, 0.05
HSL	28°, 75%, 80%
HSV	28°, 31%, 95%
XYZ	64.6214, 63.8715, 44.9989
YIQ	209.8560, 35.3960, -2.7160

Conversions

Conversions Part 2

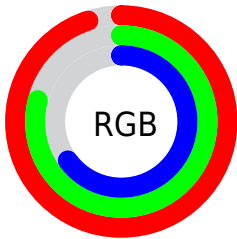
Format	Color
R_{YB}	242, 234, 166
Decimal	15911590
CIE _{Lab}	83.90, 9.06, 23.27
CIE _{LCh}	84, 24.967, 68.722
Yxy	63.8715, 0.3725, 0.3682
Android (android.graphics.Color)	4294101670 (0xFFFF2CAA6)
YUV	209.8560, -21.6210, 28.1903
Hunter-Lab	79.9196, 4.4721, 22.5604

Details

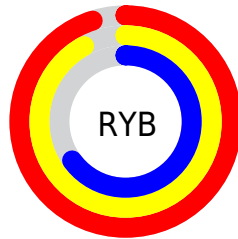
The XYZ color **64.6214, 63.8715, 44.9989** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.8235, 58.6585, 92.4899**, and the grayscale version is **61.2866, 64.4783, 70.2168**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **33.6348, 32.7090, 20.4603** is the 20% darker color. If you saturate the color by 10%, you get **59.7415, 57.3362, 33.4315**, and if you desaturate by 10%, it is **70.1689, 71.0730, 58.8510**.

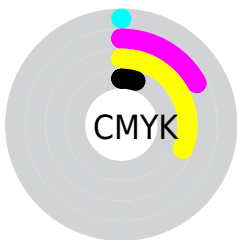
Distribution



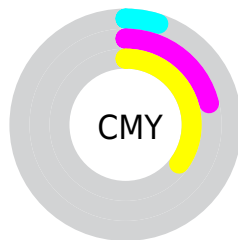
- Red (95%)
- Green (79%)
- Blue (65%)



- Red (95%)
- Yellow (92%)
- Blue (65%)



- Cyan (0%)
- Magenta (17%)
- Yellow (31%)
- Black (5%)





- Cyan (5%)
- Magenta (21%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6214, 63.8715, 44.9989 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 64.6214, 63.8715, 44.9989 by changing the saturation by 10% instead.


 64.6214, 63.8715,
44.9989


 64.6214, 63.8715,
44.9989


430.9969,
438.7255, 382.9291

 47.4177, 46.5466,
31.1136


 110.5741,
110.4259, 84.0372

 33.5753, 32.6774,
20.4262


 140.0538,
140.4241, 110.0273

 22.7289, 21.8794,
12.5181


174.3563,
175.4156, 140.8894

 14.5130, 13.7683,
6.9707

213.8469,
215.7847, 177.0421

 8.5624, 7.9597,
3.3656

258.8908,
261.9159, 218.9038

 4.5117, 4.0692,
1.2842

309.8536,

 1.9955, 1.7123,

314.1934, 266.8932

0.0488

367.1005,
373.0018, 321.4288

0.6314, 0.4316,
0.0000

0.0000, 0.0000,
0.0000

64.6214, 63.8715,
44.9989

64.6214, 63.8715,
44.9989

59.7415, 57.3362,
33.4315

70.1689, 71.0730,
58.8510

55.4950, 51.4370,
24.0191

76.4066, 78.9521,
75.0999

51.8514, 46.1543,
16.6253

83.3616, 87.5306,
93.8547

48.7756, 41.4637,
11.0956

89.7765, 96.3143,
108.4665

■ 46.2276, 37.3386,
7.2534

■ 90.4280, 97.6173,
108.6837

■ 44.1607, 33.7490,
4.8866

■ 42.7087, 31.0587,
3.7439

Harmonies

Analogous

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



69.3252, 63.8715, 52.2905



64.6214, 63.8715, 44.9989



59.1207, 63.8715, 43.7303

Triad

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



64.6214, 63.8715, 44.9989



50.8568, 63.8715, 74.2326



67.5562, 63.8715, 95.9100

Complementary

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



64.6214, 63.8715, 44.9989



53.8235, 58.6585, 92.4899

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.



62.3233, 63.8715, 103.9265



64.6214, 63.8715, 44.9989



52.8361, 63.8715, 90.2308

Square

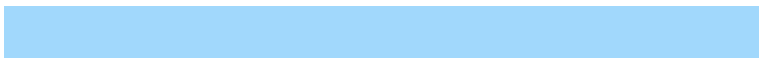
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.6214, 63.8715, 44.9989



51.3899, 63.8715, 59.1372



56.9558, 63.8715, 101.7048



71.0894, 63.8715, 81.1080

Rectangle

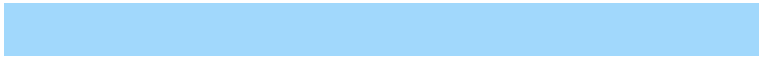
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.6214, 63.8715, 44.9989



55.7733, 63.8715, 46.2516



56.9558, 63.8715, 101.7048



65.9254, 63.8715, 99.5820

Sweetspot

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



64.6231, 63.8745, 45.0002



87.8400, 91.1439, 89.3440



61.4601, 50.6326, 65.2671



18.5654, 19.2152, 18.4938



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.



64.6231, 63.8745, 45.0002



69.0146, 66.9210, 41.6725



74.5044, 83.6372, 48.2940



16.3904, 16.9940, 16.5660



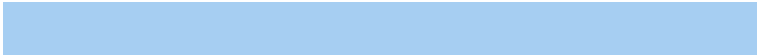
23.0781, 16.9543, 2.0562



2.0188, 1.6083, 0.2040

Inverse Universe

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



53.8235, 58.6585, 92.4899



54.9936, 60.1460, 103.3186



45.8549, 42.7212, 89.8337



15.5857, 16.6056, 20.1054



12.8494, 11.9231, 46.7520



1.1685, 1.1911, 3.9225

Previews

White Background



This preview shows how the XYZ color 64.6214, 63.8715, 44.9989 looks on a white background.

Color Contrast Check

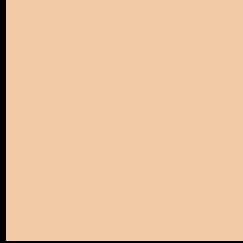
Large Text (above 18pt) WCAG AA × Fail

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 64.6214, 63.8715, 44.9989 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 64.6214, 63.8715, 44.9989

Background



This preview shows how black text looks on a background with the XYZ color 64.6214, 63.8715, 44.9989.



This preview shows how white text looks on a background with the XYZ color 64.6214, 63.8715,

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

64.6214, 63.8715, 44.9989

Protanopia

60.0861, 63.9951, 46.7215

Deuteranopia

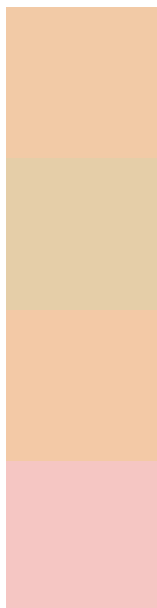
65.0778, 63.7596, 44.9532



Tritanopia

69.8556, 63.9572, 70.2912

Trichromacy



Original Color

64.6214, 63.8715, 44.9989

Protanomaly

61.4523, 63.6278, 46.0883

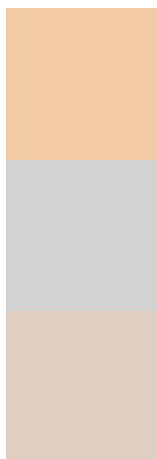
Deuteranomaly

64.7317, 63.5811, 44.9371

Tritanomaly

67.7006, 63.7408, 60.3648

Monochromacy



Original Color

64.6214, 63.8715, 44.9989

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

62.1746, 64.0503, 60.1249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6214, 63.8715, 44.9989 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(242, 202, 166)` looks like.

```
.text, #text, p{  
    color:rgb(242, 202, 166)  
}
```

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(242, 202, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 202, 166) }
```

Border

The CSS property to change the border of an element to XYZ 64.6214, 63.8715, 44.9989 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(242, 202, 166) }
```


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

```
.border{ border-color:rgb(242, 202, 166) }
```

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

Here you see how a box with a 4 pixel rgb(242, 202, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 202, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 202, 166);  
box-shadow:4px 4px 4px 4px rgb(242, 202,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6214, 63.8715, 44.9989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 202, 166) }
```

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

```
.background{ background-color: rgb(242,  
202, 166) }
```

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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