

Converting Colors

XYZ(64.2899, 64.2807, 46.7549)

Have a look what the booklet for
XYZ(64.2899, 64.2807, 46.7549)
contains.

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Color

**XYZ(64.3509, 64.4010,
46.5751)**

Conversions

Conversions Part 1

Format	Color
Hex	EFCCA9
RGB	239, 204, 169
RGB Percent	94%, 80%, 66%
CMY	0.0627, 0.2000, 0.3372
CMYK	0.00, 0.15, 0.29, 0.06
HSL	30°, 69%, 80%
HSV	30°, 29%, 94%
XYZ	64.3509, 64.4010, 46.5751
YIQ	210.4750, 32.0950, -3.4650

Conversions

Conversions Part 2

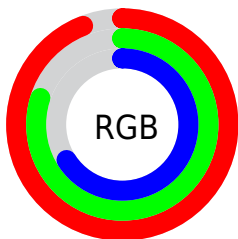
Format	Color
R _Y B	239, 239, 169
Decimal	15715497
CIE Lab	84.17, 7.26, 22.02
CIE LCh	84, 23.186, 71.754
Yxy	64.4010, 0.3670, 0.3673
Android (android.graphics.Color)	4293905577 (0xFFEFCCA9)
YUV	210.4750, -20.4472, 25.0164
Hunter-Lab	80.2502, 2.6973, 21.7648

Details

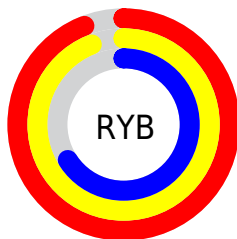
The XYZ color **64.3509, 64.4010, 46.5751** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.5345, 57.8511, 90.0064**, and the grayscale version is **61.6877, 64.9003, 70.6764**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **33.4086, 33.0421, 21.4466** is the 20% darker color. If you saturate the color by 10%, you get **59.5777, 58.1228, 34.9079**, and if you desaturate by 10%, it is **69.7555, 71.2849, 60.4775**.

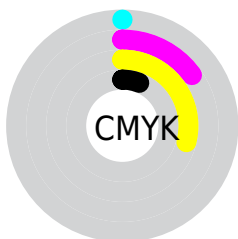
Distribution



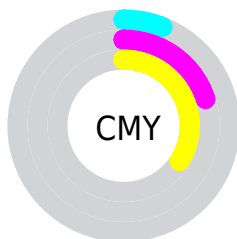
- Red (94%)
- Green (80%)
- Blue (66%)



- Red (94%)
- Yellow (94%)
- Blue (66%)



- Cyan (0%)
- Magenta (15%)
- Yellow (29%)
- Black (6%)





- Cyan (6%)
- Magenta (20%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.3509, 64.4010, 46.5751 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 64.3509, 64.4010, 46.5751 by changing the saturation by 10% instead.


 64.3509, 64.4010,
46.5751

 64.3509, 64.4010,
46.5751


430.0379,
440.6363, 389.4605

 47.1977, 46.9755,
32.3479


 110.1870,
111.1882, 86.4224

 33.4006, 33.0163,
21.3604


139.6007,
141.3188, 112.8795

 22.5942, 22.1389,
13.1939


173.8318,
176.4532, 144.2505

 14.4132, 13.9590,
7.4299

213.2459,
216.9758, 180.9537

 8.4922, 8.0922,
3.6499

258.2081,
263.2710, 223.4078

 4.4659, 4.1540,
1.4353

309.0840,

 1.9690, 1.7601,

315.7232, 272.0313

0.1690

366.2388,
374.7169, 327.2427

■ 0.6164, 0.4621,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.3509, 64.4010,
46.5751

■ 64.3509, 64.4010,
46.5751

■ 59.5777, 58.1228,
34.9079

■ 69.7555, 71.2849,
60.4775

■ 55.4036, 52.4229,
25.3526

■ 75.8119, 78.7834,
76.7216

■ 51.8008, 47.2842,
17.7797

■ 82.5456, 86.9163,
95.4117

■ 48.7368, 42.6855,
12.0438

■ 88.3941, 95.0656,
108.2984

46.1751, 38.6034,
7.9791

89.4067, 97.0908,
108.6359

44.0729, 35.0119,
5.3892

42.3668, 31.8760,
3.9686

42.2552, 31.6678,
3.8854

Harmonies

Analogous

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



68.8662, 64.4010, 52.9465



64.3509, 64.4010, 46.5751



59.2244, 64.4010, 45.9477

Triad

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



64.3509, 64.4010, 46.5751



52.0557, 64.4010, 76.0333



68.0155, 64.4010, 93.3703

Complementary

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



64.3509, 64.4010, 46.5751



53.5345, 57.8511, 90.0064

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.



63.2420, 64.4010, 101.5636



64.3509, 64.4010, 46.5751



54.1456, 64.4010, 90.6595

Square

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



64.3509, 64.4010, 46.5751



52.3156, 64.4010, 61.6459



58.1754, 64.4010, 100.5075



71.0620, 64.4010, 79.3409

Rectangle

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



64.3509, 64.4010, 46.5751



56.1670, 64.4010, 48.7449



58.1754, 64.4010, 100.5075



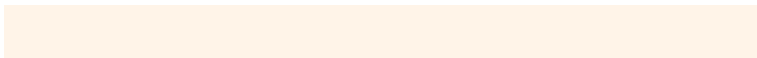
66.5487, 64.4010, 96.9810

Sweetspot

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



64.3526, 64.4040, 46.5764



88.0210, 91.5059, 89.4044



60.6842, 51.0870, 63.7898



18.6099, 19.3042, 18.5086



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.



64.3526, 64.4040, 46.5764



71.2409, 70.2857, 45.7680



73.6249, 82.9486, 49.6672



16.4259, 17.0649, 16.5778



23.4824, 17.7629, 2.1909



2.0530, 1.6767, 0.2154

Inverse Universe

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



53.5345, 57.8511, 90.0064



56.8613, 61.5755, 103.4961



46.1309, 43.0438, 87.5385



15.5502, 16.5344, 20.0935



12.4186, 11.0614, 46.6084



1.1326, 1.1192, 3.9105

Previews

White Background



This preview shows how the XYZ color 64.3509, 64.4010, 46.5751 looks on a white background.

Color Contrast Check

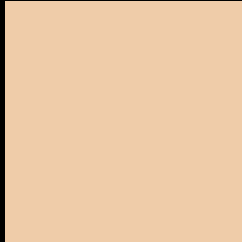
Large Text (above 18pt) WCAG AA × Fail

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 64.3509, 64.4010, 46.5751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

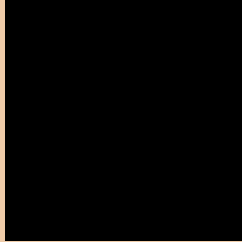
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3509, 64.4010, 46.5751

Background



This preview shows how black text looks on a background with the XYZ color 64.3509, 64.4010, 46.5751.



This preview shows how white text looks on a background with the XYZ color 64.3509, 64.4010,

46.5751.

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

64.3509, 64.4010, 46.5751

Protanopia

60.6172, 64.6013, 48.3042

Deuteranopia

65.5902, 64.3387, 46.4978



Tritanopia

69.5126, 64.4254, 71.7224

Trichromacy



Original Color

64.3509, 64.4010, 46.5751

Protanomaly

61.9015, 64.5460, 47.7241

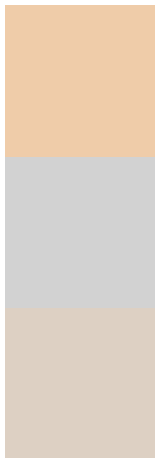
Deuteranomaly

65.1353, 64.4537, 46.5439

Tritanomaly

67.3503, 64.2170, 61.6687

Monochromacy



Original Color

64.3509, 64.4010, 46.5751

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

62.2250, 64.4240, 60.7852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3509, 64.4010, 46.5751 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(239, 204, 169)` looks like.

```
.text, #text, p{  
    color:rgb(239, 204, 169)  
}
```

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(239, 204, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 204, 169) }
```

Border

The CSS property to change the border of an element to XYZ 64.3509, 64.4010, 46.5751 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(239, 204, 169) }
```


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

```
.border{ border-color:rgb(239, 204, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 204, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 204, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 204, 169);  
box-shadow:4px 4px 4px 4px rgb(239, 204,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3509, 64.4010, 46.5751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 204, 169) }
```

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

```
.background{ background-color: rgb(239,  
204, 169) }
```

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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