

# Converting Colors

XYZ(61.4846, 64.4064, 27.9300)

Have a look what the booklet for  
XYZ(61.4846, 64.4064, 27.9300)  
contains.

<b>XYZ(61.4846, 64.4064, 27.9300)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(61.4846, 64.4064,  
27.9300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFCF7B
RGB	239, 207, 123
RGB Percent	94%, 81%, 48%
CMY	0.0627, 0.1882, 0.5176
CMYK	0.00, 0.13, 0.49, 0.06
HSL	43°, 78%, 71%
HSV	43°, 49%, 94%
XYZ	61.4846, 64.4064, 27.9300
YIQ	206.9920, 46.0360, -19.3400

# Conversions

## Conversions Part 2

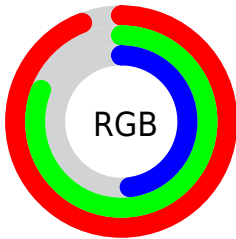
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 239, 123
Decimal	15716219
CIELab	84.18, 0.63, 45.64
CIELCh	84, 45.646, 89.209
Yxy	64.4064, 0.3997, 0.4187
Android (android.graphics.Color)	4293906299 (0xFFEFCF7B)
YUV	206.9920, -41.4081, 28.0710
Hunter-Lab	80.2536, -3.6898, 35.5433

# Details

The XYZ color **61.4846, 64.4064, 27.9300** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.4694, 33.8845, 86.3322**, and the grayscale version is **59.5420, 62.6428, 68.2180**.

A 20% lighter version of the original color is **84.9358, 95.9543, 55.6394**, and **31.6170, 33.0741, 10.8484** is the 20% darker color. If you saturate the color by 10%, you get **58.6039, 60.7542, 20.4681**, and if you desaturate by 10%, it is **64.8003, 68.3442, 37.3401**.

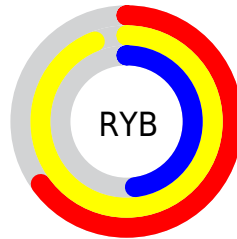
# Distribution



Red (94%)

Green (81%)

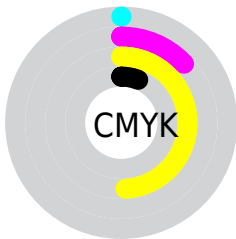
Blue (48%)



Red (65%)

Yellow (94%)

Blue (48%)

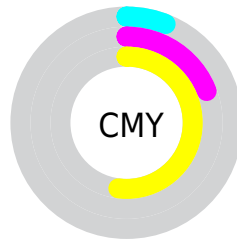


Cyan (0%)

Magenta (13%)

Yellow (49%)

Black (6%)



Cyan (6%)

Magenta (19%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4846, 64.4064, 27.9300 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 61.4846, 64.4064, 27.9300 by changing the saturation by 10% instead.



61.4846, 64.4064,  
27.9300

61.4846, 64.4064,  
27.9300

419.7962,  
440.6558, 306.0337

44.8704, 46.9799,  
18.0343

106.0744,  
111.1960, 57.3944

31.5562, 33.0198,  
10.8049

134.7808,  
141.3279, 77.8002

21.1766, 22.1416,  
5.8233

168.2485,  
176.4638, 102.5465

13.3664, 13.9610,  
2.6709

206.8431,  
216.9879, 132.0518

7.7601, 8.0935,  
0.9287

250.9298,  
263.2848, 166.7346

3.9923, 4.1549,  
0.0000

300.8739,

1.6978, 1.7606,

315.7388, 207.0135

0.0000

357.0409,  
374.7343, 253.3070

■ 0.4549, 0.4624,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.4846, 64.4064,  
27.9300

■ 61.4846, 64.4064,  
27.9300

■ 58.6039, 60.7542,  
20.4681

■ 64.8003, 68.3442,  
37.3401

■ 56.1257, 57.3660,  
14.8076


■ 68.5715, 72.5696,  
48.8227


■ 54.0200, 54.2308,  
10.7875


■ 72.8227, 77.0964,  
62.4965

■ 52.2495, 51.3325,  
8.2158


■ 77.5753, 81.9340,  
78.4699


 50.7607, 48.6484,  
6.8153

 82.8492, 87.0918,  
96.8444

 50.5555, 48.2686,  
6.6522

 86.7722, 91.8221,  
107.7578

 88.8191, 95.9159,  
108.4401

 89.4065, 97.0907,  
108.6359

# Harmonies

## Analogous

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



71.7018, 64.4064, 32.3877



61.4846, 64.4064, 27.9300



52.2226, 64.4064, 31.9315

# Triad

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



61.4846, 64.4064, 27.9300



45.7865, 64.4064, 100.9104



79.4541, 64.4064, 102.6134

# Complementary

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



61.4846, 64.4064, 27.9300



35.4694, 33.8845, 86.3322

# 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.



71.1876, 64.4064, 130.7131



61.4846, 64.4064, 27.9300



51.8064, 64.4064, 129.5546

# Square

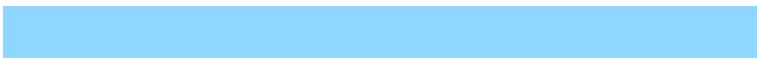
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.4846, 64.4064, 27.9300



43.7839, 64.4064, 69.3633



60.9489, 64.4064, 141.7076



82.7526, 64.4064, 70.8975



# Rectangle

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



61.4846, 64.4064, 27.9300



47.6630, 64.4064, 39.7148



60.9489, 64.4064, 141.7076



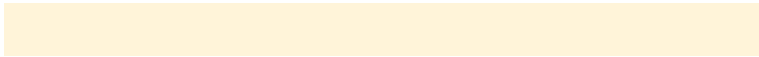
77.1225, 64.4064, 113.0831

# Sweetspot

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



61.4862, 64.4094, 27.9313



86.2182, 91.2293, 78.5401



48.6694, 34.9131, 35.5678



18.2118, 19.2773, 16.0047



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.



61.4862, 64.4094, 27.9313



67.9981, 70.5217, 23.9657



62.1345, 77.4392, 30.4121



16.7329, 17.6788, 16.6802



28.0536, 26.9053, 3.7147



2.4166, 2.4038, 0.3366



# Inverse Universe

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



35.4694, 33.8845, 86.3322



34.6985, 31.4982, 98.8587



34.9005, 26.7070, 84.9767



15.2521, 15.9383, 19.9941



9.7780, 5.7802, 45.7282



0.8938, 0.6417, 3.8310



# Previews

## White Background



This preview shows how the XYZ color 61.4846, 64.4064, 27.9300 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 61.4846, 64.4064, 27.9300 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 61.4846, 64.4064, 27.9300

## Background



This preview shows how black text looks on a background with the XYZ color 61.4846, 64.4064, 27.9300.



This preview shows how white text looks on a background with the XYZ color 61.4846, 64.4064,

27.9300.

# 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

61.4846, 64.4064, 27.9300

### Protanopia

59.3178, 64.3714, 28.3673

### Deuteranopia

65.8283, 64.5140, 28.3849



## Tritanopia

70.3350, 64.1898, 70.9702

# Trichromacy



## Original Color

61.4846, 64.4064, 27.9300

## Protanomaly

60.0428, 64.3798, 28.3307

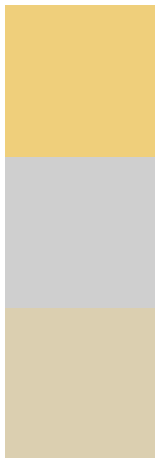
## Deuteranomaly

64.0609, 64.3068, 28.1049

## Tritanomaly

66.5487, 64.0163, 52.0289

# Monochromacy



## Original Color

61.4846, 64.4064, 27.9300

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

59.3627, 62.8203, 50.0711

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.4846, 64.4064, 27.9300 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, 207, 123)` looks like.

```
.text, #text, p{  
    color:rgb(239, 207, 123)  
}
```

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, 207, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 207, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 61.4846, 64.4064, 27.9300 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, 207, 123) }
```



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

```
.border{ border-color:rgb(239, 207, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 207, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 207, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 207, 123);  
box-shadow:4px 4px 4px 4px rgb(239, 207,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.4846, 64.4064, 27.9300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 207, 123) }
```

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

```
.background{ background-color: rgb(239,  
207, 123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor