

# Converting Colors

XYZ(64.5943, 64.9425, 27.8716)

Have a look what the booklet for  
XYZ(64.5943, 64.9425, 27.8716)  
contains.

<b>XYZ(64.5924, 64.9398, 27.8691)</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(64.5924, 64.9398,  
27.8691)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FACC7B
RGB	250, 204, 123
RGB Percent	98%, 80%, 48%
CMY	0.0196, 0.2000, 0.5176
CMYK	0.00, 0.18, 0.51, 0.02
HSL	38°, 93%, 73%
HSV	38°, 51%, 98%
XYZ	64.5924, 64.9398, 27.8691
YIQ	208.5200, 53.4170, -15.4390

# Conversions

## Conversions Part 2

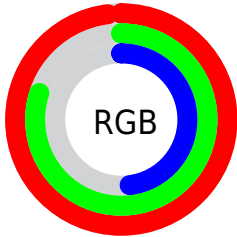
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	195, 250, 123
Decimal	16436347
CIE Lab	84.45, 6.61, 46.21
CIE LCh	84, 46.680, 81.863
Yxy	64.9398, 0.4104, 0.4126
Android (android.graphics.Color)	4294626427 (0xFFFA <sup>C</sup> C7B)
YUV	208.5200, -42.1614, 36.3780
Hunter-Lab	80.5852, 2.0510, 35.9052

# Details

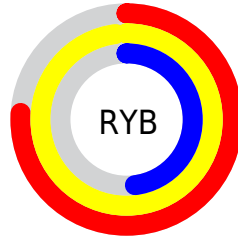
The XYZ color **64.5924, 64.9398, 27.8691** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.6111, 39.4875, 95.9764**, and the grayscale version is **60.5345, 63.6870, 69.3551**.

A 20% lighter version of the original color is **84.9358, 95.9543, 55.6394**, and **33.5619, 33.3569, 10.8005** is the 20% darker color. If you saturate the color by 10%, you get **61.1335, 60.2148, 19.9564**, and if you desaturate by 10%, it is **68.5792, 70.0811, 37.9304**.

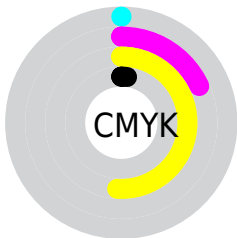
# Distribution



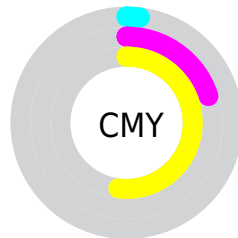
- Red (98%)
- Green (80%)
- Blue (48%)



- Red (76%)
- Yellow (98%)
- Blue (48%)



- Cyan (0%)
- Magenta (18%)
- Yellow (51%)
- Black (2%)



- Cyan (2%)
- Magenta (20%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5924, 64.9398, 27.8691 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 64.5924, 64.9398, 27.8691 by changing the saturation by 10% instead.



64.5924, 64.9398,  
27.8691

64.5924, 64.9398,  
27.8691

430.8942,  
442.5756, 305.7331

47.3941, 47.4123,  
17.9888

110.5326,  
111.9633, 57.2960

33.5566, 33.3617,  
10.7726

140.0053,  
142.2281, 77.6796

22.7144, 22.4037,  
5.8019

174.3001,  
177.5074, 102.4015

14.5023, 14.1538,  
2.6582

213.7824,  
218.1856, 131.8802

8.5549, 8.2277,  
0.9223

258.8177,  
264.6471, 166.5341

4.5068, 4.2410,  
0.0000

309.7711,

1.9926, 1.8093,

317.2764, 206.7819

0.0000

367.0082,  
376.4577, 253.0421

■ 0.6298, 0.4929,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.5924, 64.9398,  
27.8691

■ 64.5924, 64.9398,  
27.8691

■ 61.1335, 60.2148,  
19.9564

■ 68.5792, 70.0811,  
37.9304

■ 58.1645, 55.8801,  
14.0241

■ 73.1190, 75.6445,  
50.2834

■ 55.6493, 51.9203,  
9.8851

■ 78.2406, 81.6474,  
65.0632

■ 53.5430, 48.3139,  
7.3142

■ 83.9694, 88.1030,  
82.3935

51.9017, 45.2788,  
6.0042

90.3290, 95.0237,  
102.3892

93.2343, 99.0640,  
108.8150

# Harmonies

## Analogous

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



74.8905, 64.9398, 34.5995



64.5924, 64.9398, 27.8691



54.5839, 64.9398, 29.8136

# Triad

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



64.5924, 64.9398, 27.8691



44.9880, 64.9398, 94.2066



78.7939, 64.9398, 112.2179

# Complementary

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



64.5924, 64.9398, 27.8691



39.6111, 39.4875, 95.9764

# 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.



69.4596, 64.9398, 138.1482



64.5924, 64.9398, 27.8691



50.1977, 64.9398, 125.8826

# Square

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



64.5924, 64.9398, 27.8691



43.9954, 64.9398, 62.9205



58.9405, 64.9398, 143.7488



83.6694, 64.9398, 79.1137



# Rectangle

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



64.5924, 64.9398, 27.8691



49.3366, 64.9398, 36.1042



58.9405, 64.9398, 143.7488



76.0270, 64.9398, 122.4061

# Sweetspot

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



64.5940, 64.9429, 27.8704



85.2308, 89.2547, 78.2110



53.7224, 37.3764, 42.1992



17.9731, 18.7998, 15.9251



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.



64.5940, 64.9429, 27.8704



63.8604, 62.8629, 20.6854



71.3869, 87.1361, 31.7961



18.1679, 19.0716, 18.1860



27.6718, 24.3003, 3.2320



2.6635, 2.4519, 0.3329



# Inverse Universe

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



39.6111, 39.4875, 95.9764



35.0971, 33.6025, 99.2439



35.1428, 26.6384, 93.7318



16.7976, 17.6720, 21.9110



11.2405, 7.8365, 48.8937



1.1378, 0.9192, 4.5606



# Previews

## White Background



This preview shows how the XYZ color 64.5924, 64.9398, 27.8691 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 64.5924, 64.9398, 27.8691 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 64.5924, 64.9398, 27.8691**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.5924, 64.9398, 27.8691.



This preview shows how white text looks on a background with the XYZ color 64.5924, 64.9398,



# 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

64.5924, 64.9398, 27.8691

### Protanopia

60.0152, 65.0838, 29.1380

### Deuteranopia

66.2568, 65.0596, 29.4877



## Tritanopia

72.2637, 64.8937, 69.0386

# Trichromacy



## Original Color

64.5924, 64.9398, 27.8691

## Protanomaly

61.5174, 64.7696, 28.6615

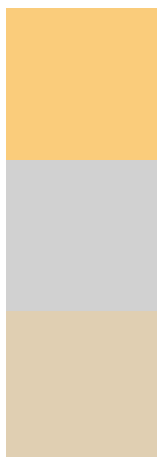
## Deuteranomaly

65.6298, 65.1009, 28.8453

## Tritanomaly

68.7380, 64.4852, 50.9435

# Monochromacy



## Original Color

64.5924, 64.9398, 27.8691

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

61.0892, 63.6873, 51.1926

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5924, 64.9398, 27.8691 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(250, 204, 123)` looks like.

```
.text, #text, p{  
    color:rgb(250, 204, 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(250, 204, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 204, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5924, 64.9398, 27.8691 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(250, 204, 123) }
```



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

```
.border{ border-color:rgb(250, 204, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 204, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 204, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 204, 123);  
box-shadow:4px 4px 4px 4px rgb(250, 204,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5924, 64.9398, 27.8691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 204, 123) }
```

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

```
.background{ background-color: rgb(250,  
204, 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](#).

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