

# Converting Colors

XYZ(64.1828, 59.8400, 32.0996)

Have a look what the booklet for  
XYZ(64.1828, 59.8400, 32.0996)  
contains.

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# Color

**XYZ(64.2409, 59.9219,  
32.2250)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFBE8A
RGB	255, 190, 138
RGB Percent	100%, 75%, 54%
CMY	0.0000, 0.2549, 0.4588
CMYK	0.00, 0.25, 0.46, 0.00
HSL	27°, 100%, 77%
HSV	27°, 46%, 100%
XYZ	64.2409, 59.9219, 32.2250
YIQ	203.5070, 55.4320, -2.3920

# Conversions

## Conversions Part 2

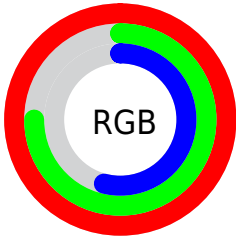
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 232, 138
Decimal	16760458
CIELab	81.80, 17.26, 35.33
CIELCh	82, 39.322, 63.962
Yxy	59.9219, 0.4108, 0.3832
Android (android.graphics.Color)	4294950538 (0xFFFFBE8A)
YUV	203.5070, -32.2950, 45.1594
Hunter-Lab	77.4092, 12.6686, 29.5044

# Details

The XYZ color **64.2409, 59.9219, 32.2250** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.8862, 55.3329, 102.6585**, and the grayscale version is **57.2575, 60.2393, 65.6006**.

A 20% lighter version of the original color is **83.7102, 90.9773, 63.0175**, and **33.4309, 30.3152, 13.1062** is the 20% darker color. If you saturate the color by 10%, you get **59.6868, 53.4295, 22.6433**, and if you desaturate by 10%, it is **69.5296, 67.1899, 44.1909**.

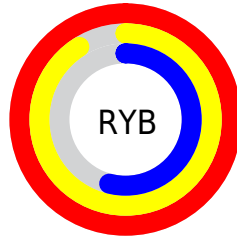
# Distribution



Red (100%)

Green (75%)

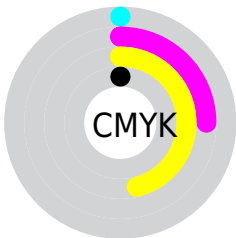
Blue (54%)



Red (100%)

Yellow (91%)

Blue (54%)

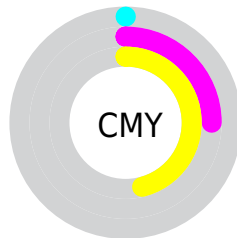


Cyan (0%)

Magenta (25%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2409, 59.9219, 32.2250 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 64.2409, 59.9219, 32.2250 by changing the saturation by 10% instead.





 64.2409, 59.9219,  
32.2250

 64.2409, 59.9219,  
32.2250


429.6475,  
424.3098, 326.6672


 47.1082, 43.3557,  
21.2672


 110.0296,  
104.7164, 64.2657

 33.3295, 30.1643,  
13.1263


 139.4163,  
133.7134, 86.1856

 22.5394, 19.9633,  
7.3838

 173.6185,  
167.6228, 112.5966

 14.3726, 12.3684,  
3.6212

213.0013,  
206.8291, 143.9172

 8.4637, 6.9951,  
1.4199

257.9303,  
251.7165, 180.5661

 4.4474, 3.4590,  
0.1572

308.7708,

 1.9582, 1.3758,

302.6695, 222.9617

0.0000

365.8881,  
360.0725, 271.5225

0.6103, 0.1988,  
0.0000

0.0000, 0.0000,  
0.0000

64.2409, 59.9219,  
32.2250

64.2409, 59.9219,  
32.2250

59.6868, 53.4295,  
22.6433

69.5296, 67.1899,  
44.1909

55.8236, 47.6747,  
15.2772

75.5844, 75.2522,  
58.6866

52.6091, 42.6289,  
9.9415

82.4401, 84.1374,  
75.8499

49.9932, 38.2571,  
6.4186

90.1277, 93.8701,  
95.8080

■ 47.9157, 34.5194, 95.0499, 99.9999,  
4.4392 108.9000

■ 47.1837, 33.1475,  
3.9113

# Harmonies

## Analogous

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



71.2226, 59.9219, 42.9228



64.2409, 59.9219, 32.2250



55.8599, 59.9219, 29.4801

# Triad

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



64.2409, 59.9219, 32.2250



42.4874, 59.9219, 68.4495



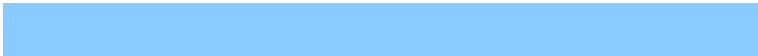
66.3298, 59.9219, 110.8995

# Complementary

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



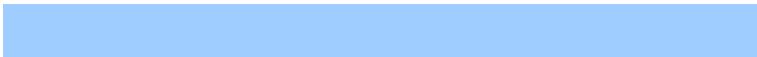
64.2409, 59.9219, 32.2250



49.8862, 55.3329, 102.6585

# 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.



58.0622, 59.9219, 122.1978



64.2409, 59.9219, 32.2250



44.7309, 59.9219, 94.2108

# Square

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



64.2409, 59.9219, 32.2250



43.8001, 59.9219, 47.1885



50.2400, 59.9219, 115.4520



72.5084, 59.9219, 87.4035



# Rectangle

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



64.2409, 59.9219, 32.2250



50.7231, 59.9219, 31.7901



50.2400, 59.9219, 115.4520



63.6753, 59.9219, 116.4779

# Sweetspot

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



64.2424, 59.9248, 32.2262



83.8223, 85.9034, 79.3882



61.2638, 43.8115, 62.5435



17.6027, 17.9540, 16.1257



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.



64.2424, 59.9248, 32.2262



60.0601, 53.9720, 23.3965



79.1494, 89.7388, 37.1952



18.6740, 19.3161, 18.8885



24.7980, 17.6073, 2.0915



2.5214, 1.9282, 0.2393



# Inverse Universe

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



49.8862, 55.3329, 102.6585



44.0822, 48.8376, 101.7110



38.7799, 33.1201, 98.9564



17.8398, 19.0513, 22.9870



14.6104, 14.1303, 51.3920



1.5316, 1.5939, 5.0402



# Previews

## White Background



This preview shows how the XYZ color 64.2409, 59.9219, 32.2250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

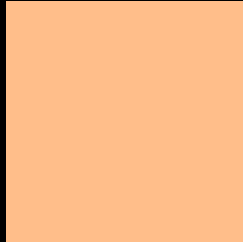
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.2409, 59.9219, 32.2250 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 64.2409, 59.9219, 32.2250

## Background



This preview shows how black text looks on a background with the XYZ color 64.2409, 59.9219, 32.2250.



This preview shows how white text looks on a background with the XYZ color 64.2409, 59.9219,



# 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

64.2409, 59.9219, 32.2250

### Protanopia

56.1421, 60.4150, 35.0878

### Deuteranopia

61.3387, 60.0695, 32.0286



## Tritanopia

68.6670, 59.9891, 60.7832

# Trichromacy



## Original Color

64.2409, 59.9219, 32.2250

## Protanomaly

58.9102, 60.1235, 34.0913

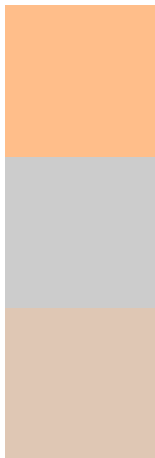
## Deuteranomaly

62.2967, 59.9025, 31.9459

## Tritanomaly

66.8468, 59.9352, 49.1197

# Monochromacy



## Original Color

64.2409, 59.9219, 32.2250

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

59.0931, 59.8301, 51.6138

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.2409, 59.9219, 32.2250 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, 190, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 138)  
}
```

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, 190, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 64.2409, 59.9219, 32.2250 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, 190, 138) }
```



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

```
.border{ border-color:rgb(255, 190, 138) }
```

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

Here you see how a box with a 4 pixel rgb(255, 190, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.2409, 59.9219, 32.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 138) }
```

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

```
.background{ background-color: rgb(255,  
190, 138) }
```

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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