

# Converting Colors

XYZ(148.7573, 103.0043,  
39.3513)

Have a look what the booklet for  
XYZ(148.7573, 103.0043, 39.3513)  
contains.

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# Color

**XYZ(64.6259, 59.7305,  
35.3171)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | FFBD92                    |
| RGB         | 255, 189, 146             |
| RGB Percent | 100%, 74%, 57%            |
| CMY         | 0.0000, 0.2588, 0.4274    |
| CMYK        | 0.00, 0.26, 0.43, 0.00    |
| HSL         | 24°, 100%, 79%            |
| HSV         | 24°, 43%, 100%            |
| XYZ         | 64.6259, 59.7305, 35.3171 |
| YIQ         | 203.8320, 53.1390, 0.6190 |

# Conversions

## Conversions Part 2

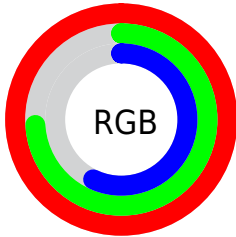
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 255, 217, 146                  |
| Decimal                             | 16760210                       |
| CIE Lab                             | 81.69, 18.59, 31.02            |
| CIE LCh                             | 82, 36.159, 59.070             |
| Yxy                                 | 59.7305, 0.4047,<br>0.3741     |
| Android<br>(android.graphics.Color) | 4294950290<br>(0xFFFFBD92)     |
| YUV                                 | 203.8320, -28.5112,<br>44.8743 |
| Hunter-Lab                          | 77.2855, 14.0115,<br>27.0062   |

# Details

The XYZ color **64.6259, 59.7305, 35.3171** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.4466, 60.4156, 103.4520**, and the grayscale version is **57.4406, 60.4320, 65.8104**.

A 20% lighter version of the original color is **84.3177, 90.7349, 67.7132**, and **33.6347, 30.1703, 14.8772** is the 20% darker color. If you saturate the color by 10%, you get **59.7133, 52.7335, 24.9607**, and if you desaturate by 10%, it is **70.3375, 67.6173, 48.1235**.

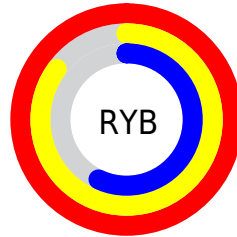
# Distribution



Red (100%)

Green (74%)

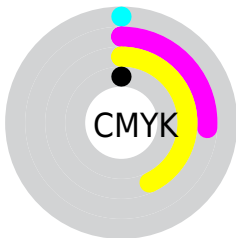
Blue (57%)



Red (100%)

Yellow (85%)

Blue (57%)

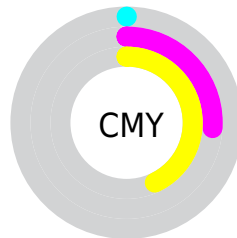


Cyan (0%)

Magenta (26%)

Yellow (43%)

Black (0%)



Cyan (0%)

Magenta (26%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6259, 59.7305, 35.3171 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 64.6259, 59.7305, 35.3171 by changing the saturation by 10% instead.




 64.6259, 59.7305,  
35.3171


 64.6259, 59.7305,  
35.3171


431.0129,  
423.6037, 340.9125

 47.4214, 43.2014,  
23.6217


 110.5806,  
104.4386, 69.1338

 33.5782, 30.0432,  
14.8437


 140.0614,  
133.3865, 92.0923

 22.7311, 19.8714,  
8.5643


174.3650,  
167.2427, 119.6422

 14.5147, 12.3016,  
4.3652

213.8568,  
206.3918, 152.2021

 8.5636, 6.9494,  
1.8278

258.9022,  
251.2180, 190.1906

 4.5125, 3.4305,  
0.4462

309.8664,

 1.9959, 1.3604,

302.1058, 234.0261

0.0000

367.1148,  
359.4396, 284.1272

0.6317, 0.1873,  
0.0000

0.0000, 0.0000,  
0.0000

64.6259, 59.7305,  
35.3171

64.6259, 59.7305,  
35.3171

59.7133, 52.7335,  
24.9607

70.3375, 67.6173,  
48.1235

55.5544, 46.5838,  
16.8904

76.8811, 76.4171,  
63.5222

52.1057, 41.2477,  
10.9276

84.2932, 86.1630,  
81.6487

49.3164, 36.6853,  
6.8648

92.6066, 96.8836,  
102.6278

■ 47.1267, 32.8521, 95.0499, 100.0000,  
4.4513 108.9000

■ 45.8558, 30.4917,  
3.4686

# Harmonies

## Analogous

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



70.5383, 59.7305, 46.7338



64.6259, 59.7305, 35.3171



57.0097, 59.7305, 31.5025

# Triad

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



64.6259, 59.7305, 35.3171



43.3683, 59.7305, 64.3592



64.1789, 59.7305, 108.9443

# Complementary

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



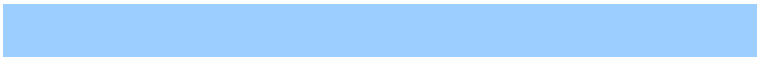
64.6259, 59.7305, 35.3171



53.4466, 60.4156, 103.4520

# 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.



56.5351, 59.7305, 116.5495



64.6259, 59.7305, 35.3171



44.9246, 59.7305, 87.5846

# Square

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



64.6259, 59.7305, 35.3171



45.1279, 59.7305, 45.7958



49.5818, 59.7305, 107.9886



70.2644, 59.7305, 89.0279



# Rectangle

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



64.6259, 59.7305, 35.3171



52.1263, 59.7305, 32.9382



49.5818, 59.7305, 107.9886



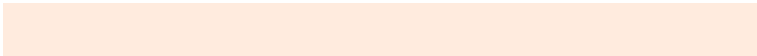
61.6859, 59.7305, 113.1987

# Sweetspot

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



64.6274, 59.7334, 35.3183



84.0928, 85.9020, 81.1505



63.5569, 46.6334, 68.7468



17.6339, 17.9096, 16.4650



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.



64.6274, 59.7334, 35.3183



60.5150, 53.8924, 26.5981



78.2649, 87.0084, 39.8641



18.5973, 19.1628, 18.8629



24.0960, 16.2032, 1.8575

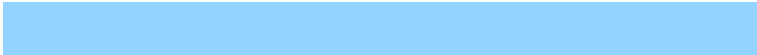


2.4490, 1.7834, 0.2152

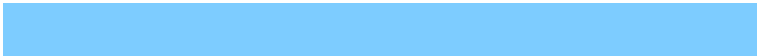


# Inverse Universe

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



53.4466, 60.4156, 103.4520



48.0192, 54.6143, 102.6185



42.2541, 38.0306, 99.7212



17.9182, 19.2079, 23.0131



15.6531, 16.2157, 51.7395



1.6307, 1.7921, 5.0732



# Previews

## White Background



This preview shows how the XYZ color 64.6259, 59.7305, 35.3171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

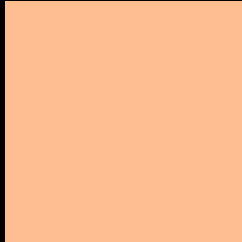
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.6259, 59.7305, 35.3171 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

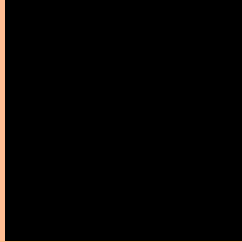
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.6259, 59.7305, 35.3171**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.6259, 59.7305, 35.3171.



This preview shows how white text looks on a background with the XYZ color 64.6259, 59.7305,

35.3171.

# 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

64.6259, 59.7305, 35.3171

### Protanopia

55.9369, 59.8843, 38.3164

### Deuteranopia

61.2439, 59.9518, 35.1320



## Tritanopia

68.4585, 59.5722, 60.7138

# Trichromacy



**Original Color**

64.6259, 59.7305, 35.3171

**Protanomaly**

58.6541, 59.5791, 37.2627

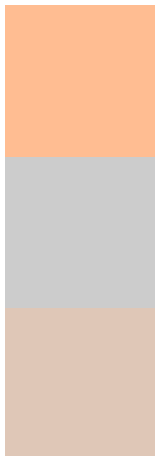
**Deuteranomaly**

62.5386, 59.9584, 35.0651

**Tritanomaly**

66.8348, 59.5922, 50.0993

# Monochromacy



**Original Color**

64.6259, 59.7305, 35.3171

**Achromatopsia**

57.3938, 60.3827, 65.7568

**Achromatomaly**

59.4021, 59.9537, 53.2411

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.6259, 59.7305, 35.3171 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, 189, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 146)  
}
```

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, 189, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 64.6259, 59.7305, 35.3171 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, 189, 146) }
```



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

```
.border{ border-color:rgb(255, 189, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.6259, 59.7305, 35.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 146) }
```

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

```
.background{ background-color: rgb(255,  
189, 146) }
```

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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