

# Converting Colors

XYZ(62.8623, 56.8848, 32.6285)

Have a look what the booklet for  
XYZ(62.8623, 56.8848, 32.6285)  
contains.

<b>XYZ(62.9071, 57.0204, 32.5014)</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(62.9071, 57.0204,  
32.5014)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFB78C
RGB	255, 183, 140
RGB Percent	100%, 72%, 55%
CMY	0.0000, 0.2823, 0.4510
CMYK	0.00, 0.28, 0.45, 0.00
HSL	22°, 100%, 77%
HSV	22°, 45%, 100%
XYZ	62.9071, 57.0204, 32.5014
YIQ	199.6260, 56.7150, 1.8910

# Conversions

## Conversions Part 2

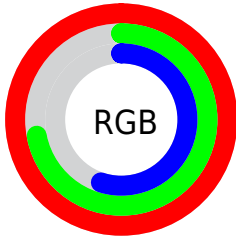
Format	Color
R <sub>Y</sub> B	255, 209, 140
Decimal	16758668
CIE Lab	80.19, 21.12, 32.18
CIE LCh	80, 38.495, 56.726
Yxy	57.0204, 0.4127, 0.3741
Android (android.graphics.Color)	4294948748 (0xFFFFB78C)
YUV	199.6260, -29.3956, 48.5630
Hunter-Lab	75.5119, 16.5583, 27.3390

# Details

The XYZ color **62.9071, 57.0204, 32.5014** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.4076, 59.8799, 103.4034**, and the grayscale version is **54.8215, 57.6765, 62.8097**.

A 20% lighter version of the original color is **81.8441, 86.8880, 63.4964**, and **32.5508, 28.4223, 13.2216** is the 20% darker color. If you saturate the color by 10%, you get **58.1324, 50.1394, 22.6837**, and if you desaturate by 10%, it is **68.4939, 64.8282, 44.7402**.

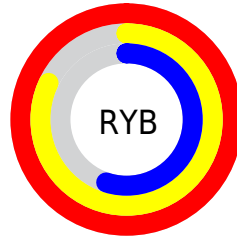
# Distribution



Red (100%)

Green (72%)

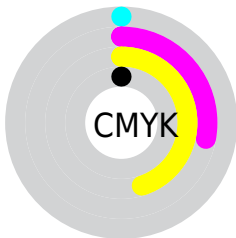
Blue (55%)



Red (100%)

Yellow (82%)

Blue (55%)

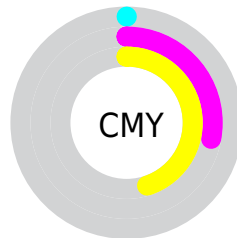


Cyan (0%)

Magenta (28%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (28%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9071, 57.0204, 32.5014 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 62.9071, 57.0204, 32.5014 by changing the saturation by 10% instead.





 62.9071, 57.0204,  
32.5014

 62.9071, 57.0204,  
32.5014


424.8973,  
413.5257, 327.9598


 46.0244, 41.0216,  
21.4768


 108.1180,  
100.4950, 64.7033

 32.4698, 28.3360,  
13.2783


 137.1770,  
128.7395, 86.7177

 21.8779, 18.5791,  
7.4875


 171.0255,  
161.8348, 113.2324

 13.8833, 11.3665,  
3.6858

210.0287,  
200.1652, 144.6660

 8.1207, 6.3139,  
1.4546

254.5522,  
244.1151, 181.4370

 4.2247, 3.0369,  
0.1838

304.9612,

 1.8300, 1.1510,

294.0689, 223.9639

0.0000

361.6211,  
350.4110, 272.6654

■ 0.5357, 0.0212,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.9071, 57.0204,  
32.5014

■ 62.9071, 57.0204,  
32.5014

■ 58.1324, 50.1394,  
22.6837

■ 68.4939, 64.8282,  
44.7402

■ 54.1224, 44.1398,  
15.1188

■ 74.9278, 73.5892,  
59.5461

■ 50.8312, 38.9845,  
9.6221

■ 82.2471, 83.3388,  
77.0574

■ 48.2046, 34.6295,  
5.9774

■ 90.4859, 94.1083,  
97.4012

■ 46.1783, 31.0255, 95.0499, 100.0000,  
3.9188 108.9000

■ 45.3647, 29.5095,  
3.3049

# Harmonies

## Analogous

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



68.8278, 57.0204, 44.6017



62.9071, 57.0204, 32.5014



55.0628, 57.0204, 28.1533

# Triad

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



62.9071, 57.0204, 32.5014



40.4792, 57.0204, 59.6493



61.2724, 57.0204, 109.2570

# Complementary

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



62.9071, 57.0204, 32.5014



52.4076, 59.8799, 103.4034

# 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.



53.3387, 57.0204, 116.0214



62.9071, 57.0204, 32.5014



41.8007, 57.0204, 83.6284

# Square

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



62.9071, 57.0204, 32.5014



42.5299, 57.0204, 41.2590



46.3290, 57.0204, 105.6979



67.8218, 57.0204, 88.9529



# Rectangle

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



62.9071, 57.0204, 32.5014



49.9668, 57.0204, 29.2041



46.3290, 57.0204, 105.6979



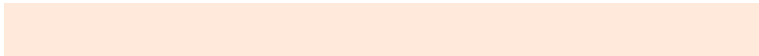
58.6578, 57.0204, 113.3737

# Sweetspot

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



62.9085, 57.0232, 32.5025



83.1058, 84.4704, 79.1494



62.6074, 44.8123, 68.1901



17.4290, 17.6065, 16.0678



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.



62.9085, 57.0232, 32.5025



58.6184, 50.8510, 23.6480



77.0357, 85.2776, 37.2116



18.5658, 19.0999, 18.8524



23.8353, 15.6818, 1.7706

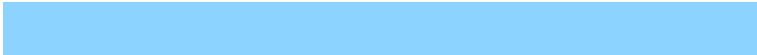


2.4215, 1.7283, 0.2060

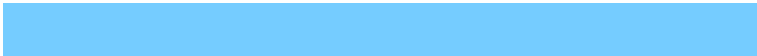


# Inverse Universe

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



52.4076, 59.8799, 103.4034



46.9020, 53.9737, 102.5537



40.6426, 36.3498, 99.4817



17.9506, 19.2728, 23.0239



16.1155, 17.1406, 51.8937



1.6741, 1.8788, 5.0877



# Previews

## White Background



This preview shows how the XYZ color 62.9071, 57.0204, 32.5014 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 62.9071, 57.0204, 32.5014 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

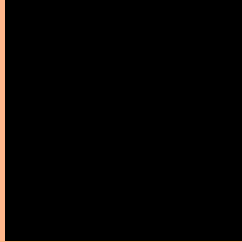
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.9071, 57.0204, 32.5014

## Background



This preview shows how black text looks on a background with the XYZ color 62.9071, 57.0204, 32.5014.



This preview shows how white text looks on a background with the XYZ color 62.9071, 57.0204,



# 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

62.9071, 57.0204, 32.5014

### Protanopia

53.4214, 57.2496, 35.8384

### Deuteranopia

58.4781, 57.2737, 32.0176



## Tritanopia

66.5644, 56.8624, 56.7574

# Trichromacy



## Original Color

62.9071, 57.0204, 32.5014

## Protanomaly

56.4171, 56.8116, 34.3778

## Deuteranomaly

59.9516, 57.0636, 32.2807

## Tritanomaly

65.0077, 56.8811, 46.5826

# Monochromacy



## Original Color

62.9071, 57.0204, 32.5014

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

56.8429, 57.0136, 50.1283

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.9071, 57.0204, 32.5014 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, 183, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 140)  
}
```

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, 183, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 62.9071, 57.0204, 32.5014 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, 183, 140) }
```



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

```
.border{ border-color:rgb(255, 183, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 183, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.9071, 57.0204, 32.5014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 140) }
```

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

```
.background{ background-color: rgb(255,  
183, 140) }
```

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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