

Converting Colors

XYZ(66.3314, 64.1376, 32.8148)

Have a look what the booklet for
XYZ(66.3314, 64.1376, 32.8148)
contains.

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Color

**XYZ(66.2509, 63.9418,
32.8950)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC78A
RGB	255, 199, 138
RGB Percent	100%, 78%, 54%
CMY	0.0000, 0.2196, 0.4588
CMYK	0.00, 0.22, 0.46, 0.00
HSL	31°, 100%, 77%
HSV	31°, 46%, 100%
XYZ	66.2509, 63.9418, 32.8950
YIQ	208.7900, 52.9570, -7.0990

Conversions

Conversions Part 2

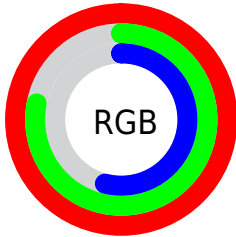
Format	Color
R _Y B	245, 255, 138
Decimal	16762762
CIE Lab	83.94, 12.57, 38.10
CIE LCh	84, 40.121, 71.745
Yxy	63.9418, 0.4062, 0.3921
Android (android.graphics.Color)	4294952842 (0xFFFFC78A)
YUV	208.7900, -34.8995, 40.5262
Hunter-Lab	79.9636, 7.9533, 31.5841

Details

The XYZ color **66.2509, 63.9418, 32.8950** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.8223, 51.2050, 101.9707**, and the grayscale version is **60.6649, 63.8242, 69.5046**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **34.6106, 32.6747, 13.4995** is the 20% darker color. If you saturate the color by 10%, you get **61.9211, 57.8980, 23.3881**, and if you desaturate by 10%, it is **71.2425, 70.6155, 44.7620**.

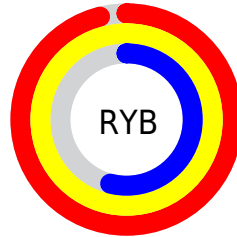
Distribution



Red (100%)

Green (78%)

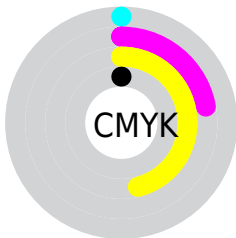
Blue (54%)



Red (96%)

Yellow (100%)

Blue (54%)

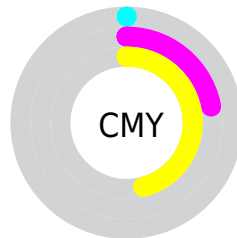


Cyan (0%)

Magenta (22%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2509, 63.9418, 32.8950 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 66.2509, 63.9418, 32.8950 by changing the saturation by 10% instead.


 66.2509, 63.9418,
32.8950

 66.2509, 63.9418,
32.8950


436.7482,
438.9794, 329.7938


 48.7446, 46.6035,
21.7756


 112.9021,
110.5271, 65.3257

 34.6306, 32.7223,
13.4953

 142.7777,
140.5430, 87.4740

 23.5436, 21.9138,
7.6358


 177.5070,
175.5534, 114.1357

 15.1183, 13.7936,
3.7784

217.4556,
215.9430, 145.7293

 8.9893, 7.9772,
1.5046

262.9886,
262.0959, 182.6734

 4.7913, 4.0804,
0.2213

314.4714,

 2.1588, 1.7186,

314.3968, 225.3865

0.0000

372.2695,
373.2298, 274.2871

0.7209, 0.4357,
0.0000

0.0000, 0.0000,
0.0000

66.2509, 63.9418,
32.8950

66.2509, 63.9418,
32.8950

61.9211, 57.8980,
23.3881

71.2425, 70.6155,
44.7620

58.2123, 52.4521,
16.0734

76.9240, 77.9312,
59.1332

55.0858, 47.5823,
10.7671

83.3274, 85.9120,
76.1459

52.4953, 43.2610,
7.2527

90.4812, 94.5769,
95.9260

■ 50.3841, 39.4562, 95.0500, 100.0000,
5.2620 108.9000

■ 49.6221, 38.0243,
4.7241

Harmonies

Analogous

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



74.3461, 63.9418, 42.0004



66.2509, 63.9418, 32.8950



57.3830, 63.9418, 32.0356

Triad

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



66.2509, 63.9418, 32.8950



45.6184, 63.9418, 79.9988



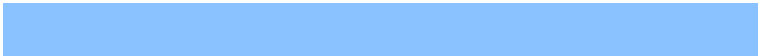
72.7975, 63.9418, 112.5784

Complementary

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



66.2509, 63.9418, 32.8950



47.8223, 51.2050, 101.9707

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.



64.2977, 63.9418, 128.9192



66.2509, 63.9418, 32.8950



48.9644, 63.9418, 107.2842

Square

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



66.2509, 63.9418, 32.8950



46.0319, 63.9418, 55.4715



55.6090, 63.9418, 126.7760



78.3707, 63.9418, 85.9944

Rectangle

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



66.2509, 63.9418, 32.8950



52.2705, 63.9418, 35.9119



55.6090, 63.9418, 126.7760



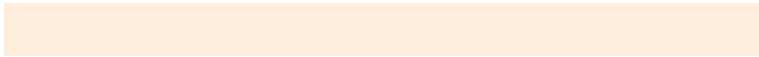
70.1548, 63.9418, 119.7113

Sweetspot

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



66.2525, 63.9449, 32.8963



84.6154, 87.4896, 79.6526



60.1284, 43.3574, 56.5637



17.7955, 18.3396, 16.1900



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.



66.2525, 63.9449, 32.8963



62.2774, 58.4066, 24.1356



80.8737, 94.2470, 37.9745



18.7930, 19.5543, 18.9282



26.0792, 20.1696, 2.5186



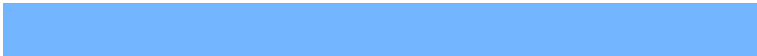
2.6487, 2.1827, 0.2817

Inverse Universe

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



47.8223, 51.2050, 101.9707



41.7890, 44.2512, 100.9466



37.9459, 30.9688, 98.5853



17.7202, 18.8121, 22.9471



13.2180, 11.3456, 50.9278



1.3956, 1.3219, 4.9949

Previews

White Background



This preview shows how the XYZ color 66.2509, 63.9418, 32.8950 looks on a white background.

Color Contrast Check

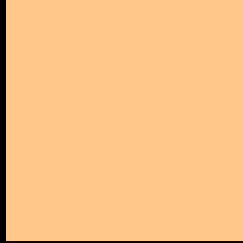
Large Text (above 18pt) WCAG AA × Fail

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 66.2509, 63.9418, 32.8950 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 66.2509, 63.9418, 32.8950

Background



This preview shows how black text looks on a background with the XYZ color 66.2509, 63.9418, 32.8950.



This preview shows how white text looks on a background with the XYZ color 66.2509, 63.9418,

32.8950.

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

66.2509, 63.9418, 32.8950

Protanopia

59.3615, 63.8848, 34.7935

Deuteranopia

65.3866, 63.8390, 32.9207



Tritanopia

71.4505, 63.8562, 66.9521

Trichromacy



Original Color

66.2509, 63.9418, 32.8950

Protanomaly

61.5641, 63.5903, 34.2287

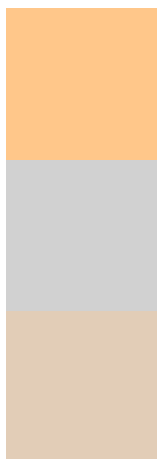
Deuteranomaly

65.7497, 64.0262, 32.9377

Tritanomaly

69.0956, 63.6264, 52.3555

Monochromacy



Original Color

66.2509, 63.9418, 32.8950

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

61.7426, 63.2503, 53.7541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2509, 63.9418, 32.8950 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, 199, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 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, 199, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 138) }
```

Border

The CSS property to change the border of an element to XYZ 66.2509, 63.9418, 32.8950 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, 199, 138) }
```


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

```
.border{ border-color:rgb(255, 199, 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, 199, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2509, 63.9418, 32.8950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 138) }
```

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

```
.background{ background-color: rgb(255,  
199, 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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