

Converting Colors

XYZ(86.7323, 74.7886, 33.9547)

Have a look what the booklet for
XYZ(86.7323, 74.7886, 33.9547)
contains.

XYZ(66.4817, 64.4035, 32.9719)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.4817, 64.4035,
32.9719)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC88A
RGB	255, 200, 138
RGB Percent	100%, 78%, 54%
CMY	0.0000, 0.2157, 0.4588
CMYK	0.00, 0.22, 0.46, 0.00
HSL	32°, 100%, 77%
HSV	32°, 46%, 100%
XYZ	66.4817, 64.4035, 32.9719
YIQ	209.3770, 52.6820, -7.6220

Conversions

Conversions Part 2

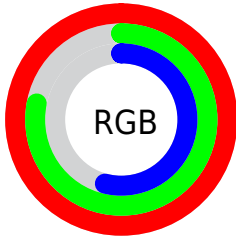
Format	Color
R _Y B	242, 255, 138
Decimal	16763018
CIE Lab	84.18, 12.05, 38.41
CIE LCh	84, 40.257, 72.586
Yxy	64.4035, 0.4057, 0.3930
Android (android.graphics.Color)	4294953098 (0xFFFFC88A)
YUV	209.3770, -35.1889, 40.0114
Hunter-Lab	80.2518, 7.4312, 31.8166

Details

The XYZ color **66.4817, 64.4035, 32.9719** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.6004, 50.7612, 101.8966**, and the grayscale version is **61.0506, 64.2300, 69.9465**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **34.7641, 32.9817, 13.5507** is the 20% darker color. If you saturate the color by 10%, you get **62.1802, 58.4163, 23.4744**, and if you desaturate by 10%, it is **71.4374, 71.0055, 44.8269**.

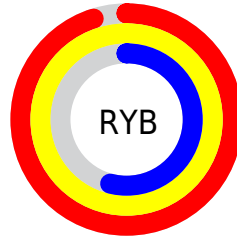
Distribution



Red (100%)

Green (78%)

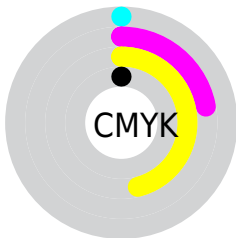
Blue (54%)



Red (95%)

Yellow (100%)

Blue (54%)

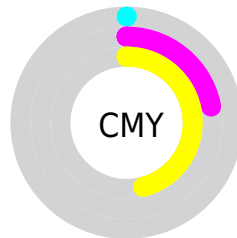


Cyan (0%)

Magenta (22%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4817, 64.4035, 32.9719 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 66.4817, 64.4035, 32.9719 by changing the saturation by 10% instead.


 66.4817, 64.4035,
32.9719


 66.4817, 64.4035,
32.9719


437.5592,
440.6453, 330.1512


 48.9327, 46.9776,
21.8340


 113.2313,
111.1918, 65.4472

 34.7804, 33.0179,
13.5378

 143.1627,
141.3230, 87.6216

 23.6595, 22.1402,
7.6649


 177.9521,
176.4581, 114.3119

 15.2046, 13.9599,
3.7966

217.9651,
216.9814, 145.9367

 9.0503, 8.0928,
1.5144

263.5669,
263.2774, 182.9145

 4.8314, 4.1544,
0.2286

315.1230,

 2.1824, 1.7603,

315.7305, 225.6638

0.0000

372.9986,
374.7250, 274.6032

■ 0.7334, 0.4622,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.4817, 64.4035,
32.9719

■ 66.4817, 64.4035,
32.9719

■ 62.1802, 58.4163,
23.4744

■ 71.4374, 71.0055,
44.8269

■ 58.4924, 53.0124,
16.1668

■ 77.0753, 78.2338,
59.1836

■ 55.3800, 48.1707,
10.8652

■ 83.4269, 86.1110,
76.1790

■ 52.7968, 43.8642,
7.3532

■ 90.5204, 94.6555,
95.9390

■ 50.6868, 40.0617, 95.0499, 99.9999,
5.3629 108.9000

■ 49.9235, 38.6272,
4.8245

Harmonies

Analogous

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



74.7042, 64.4035, 41.9017



66.4817, 64.4035, 32.9719



57.5580, 64.4035, 32.3298

Triad

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



66.4817, 64.4035, 32.9719



45.9782, 64.4035, 81.3613



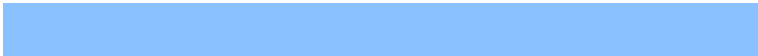
73.5458, 64.4035, 112.7755

Complementary

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



66.4817, 64.4035, 32.9719



47.6004, 50.7612, 101.8966

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.



65.0208, 64.4035, 129.6912



66.4817, 64.4035, 32.9719



49.4535, 64.4035, 108.8141

Square

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



66.4817, 64.4035, 32.9719



46.2873, 64.4035, 56.4500



56.2314, 64.4035, 128.0873



79.0464, 64.4035, 85.8461

Rectangle

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



66.4817, 64.4035, 32.9719



52.4479, 64.4035, 36.3923



56.2314, 64.4035, 128.0873



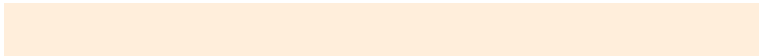
70.9053, 64.4035, 120.0841

Sweetspot

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



66.4833, 64.4066, 32.9732



84.7043, 87.6674, 79.6822



60.1283, 43.3573, 56.5636



17.8172, 18.3829, 16.1972



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.



66.4833, 64.4066, 32.9732



62.5344, 58.9206, 24.2212



80.8736, 94.2468, 37.9745



18.8064, 19.5809, 18.9326



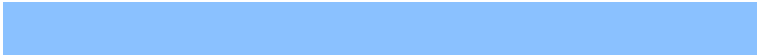
26.2371, 20.4854, 2.5712



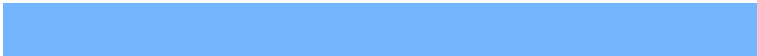
2.6640, 2.2134, 0.2868

Inverse Universe

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



47.6004, 50.7612, 101.8966



41.5448, 43.7626, 100.8651



37.9458, 30.9688, 98.5851



17.7070, 18.7856, 22.9427



13.0788, 11.0671, 50.8814



1.3817, 1.2941, 4.9902

Previews

White Background



This preview shows how the XYZ color 66.4817, 64.4035, 32.9719 looks on a white background.

Color Contrast Check

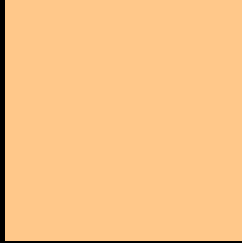
Large Text (above 18pt) WCAG AA × Fail

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 66.4817, 64.4035, 32.9719 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 66.4817, 64.4035, 32.9719

Background



This preview shows how black text looks on a background with the XYZ color 66.4817, 64.4035, 32.9719.



This preview shows how white text looks on a background with the XYZ color 66.4817, 64.4035,

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

66.4817, 64.4035, 32.9719

Protanopia

59.9240, 64.5402, 34.8903

Deuteranopia

65.9821, 64.4909, 33.0151



Tritanopia

71.7943, 64.3486, 67.6680

Trichromacy



Original Color

66.4817, 64.4035, 32.9719

Protanomaly

62.1389, 64.2428, 34.3243

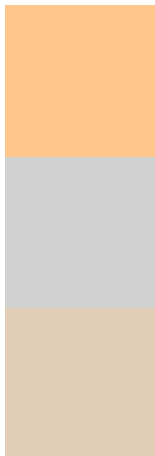
Deuteranomaly

66.3471, 64.6791, 33.0322

Tritanomaly

69.4234, 64.1173, 52.9728

Monochromacy



Original Color

66.4817, 64.4035, 32.9719

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

61.9826, 63.7303, 53.8341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4817, 64.4035, 32.9719 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, 200, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 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, 200, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 138) }
```

Border

The CSS property to change the border of an element to XYZ 66.4817, 64.4035, 32.9719 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, 200, 138) }
```


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

```
.border{ border-color:rgb(255, 200, 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, 200, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4817, 64.4035, 32.9719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 138) }
```

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

```
.background{ background-color: rgb(255,  
200, 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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