

Converting Colors

XYZ(91.6947, 76.7958, 46.4650)

Have a look what the booklet for
XYZ(91.6947, 76.7958, 46.4650)
contains.

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Color

**XYZ(68.6385, 64.8969,
45.4679)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC7A7
RGB	255, 199, 167
RGB Percent	100%, 78%, 65%
CMY	0.0000, 0.2196, 0.3451
CMYK	0.00, 0.22, 0.35, 0.00
HSL	22°, 100%, 83%
HSV	22°, 35%, 100%
XYZ	68.6385, 64.8969, 45.4679
YIQ	212.0960, 43.6480, 1.9200

Conversions

Conversions Part 2

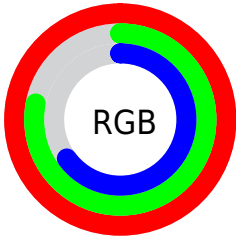
Format	Color
R_{YB}	255, 217, 167
Decimal	16762791
CIE _{Lab}	84.43, 15.70, 23.67
CIE _{LCh}	84, 28.398, 56.446
Yxy	64.8969, 0.3834, 0.3625
Android (android.graphics.Color)	4294952871 (0xFFFFC7A7)
YUV	212.0960, -22.2323, 37.6268
Hunter-Lab	80.5586, 11.1101, 22.9273

Details

The XYZ color **68.6385, 64.8969, 45.4679** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.3731, 68.2084, 104.5913**, and the grayscale version is **62.7674, 66.0362, 71.9134**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **36.2459, 33.3589, 20.7482** is the 20% darker color. If you saturate the color by 10%, you get **62.9735, 56.9747, 33.0736**, and if you desaturate by 10%, it is **75.1697, 73.8073, 60.4454**.

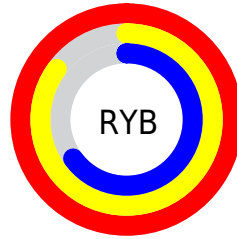
Distribution



Red (100%)

Green (78%)

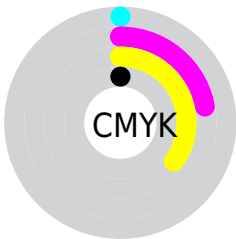
Blue (65%)



Red (100%)

Yellow (85%)

Blue (65%)

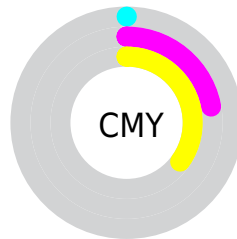


Cyan (0%)

Magenta (22%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (22%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6385, 64.8969, 45.4679 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 68.6385, 64.8969, 45.4679 by changing the saturation by 10% instead.


 68.6385, 64.8969,
45.4679


 68.6385, 64.8969,
45.4679

445.0963,
442.4214, 384.8805

 50.6929, 47.3775,
31.4805


 116.3020,
111.9016, 84.7480

 36.1843, 33.3342,
20.7035


 146.7506,
142.1557, 110.8777

 24.7474, 22.3826,
12.7183


182.0977,
177.4235, 141.8920

 16.0167, 14.1383,
7.1064

222.7085,
218.0893, 178.2094

 9.6269, 8.2169,
3.4493

268.9484,
264.5377, 220.2484

 5.2126, 4.2340,
1.3284

321.1827,

 2.4086, 1.8053,

317.1528, 268.4276

0.0849

379.7769,
376.3193, 323.1654

0.8494, 0.4905,
0.0000

0.0000, 0.0000,
0.0000

68.6385, 64.8969,
45.4679

68.6385, 64.8969,
45.4679

62.9735, 56.9747,
33.0736

75.1697, 73.8073,
60.4454

58.1298, 49.9957,
23.1098

82.5993, 83.7305,
78.1389

54.0659, 43.9248,
15.4139

90.9637, 94.7018,
98.6767

50.7336, 38.7206,
9.8011

95.0500, 100.0000,
108.9000

■ 48.0787, 34.3380,
6.0572

■ 46.0366, 30.7263,
3.9199

■ 45.1318, 29.0437,
3.2273

Harmonies

Analogous

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



73.2026, 64.8969, 56.2815



68.6385, 64.8969, 45.4679



62.4381, 64.8969, 41.3320

Triad

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



68.6385, 64.8969, 45.4679



50.3424, 64.8969, 68.5286



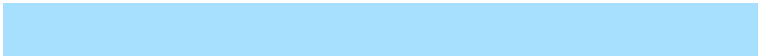
67.2485, 64.8969, 106.5847

Complementary

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



68.6385, 64.8969, 45.4679



60.3731, 68.2084, 104.5913

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.



60.9332, 64.8969, 111.3513



68.6385, 64.8969, 45.4679



51.4394, 64.8969, 87.3038

Square

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



68.6385, 64.8969, 45.4679



52.1089, 64.8969, 53.1349



55.2132, 64.8969, 103.7754



72.3624, 64.8969, 91.6724

Rectangle

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



68.6385, 64.8969, 45.4679



58.3091, 64.8969, 42.2874



55.2132, 64.8969, 103.7754



65.1837, 64.8969, 109.5256

Sweetspot

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



68.6401, 64.8999, 45.4692



86.2533, 88.5461, 87.0404



68.5408, 54.2907, 77.5304



18.2136, 18.6263, 18.0230



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.



68.6401, 64.8999, 45.4692



64.8661, 59.6461, 37.1386



79.9079, 87.4355, 49.2251



18.5502, 19.0686, 18.8472



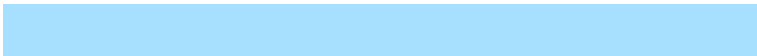
23.7114, 15.4340, 1.7293



2.4082, 1.7018, 0.2016

Inverse Universe

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



60.3731, 68.2084, 104.5913



55.5171, 63.3598, 103.9113



50.3486, 48.1595, 101.2498



17.9668, 19.3052, 23.0293



16.3534, 17.6163, 51.9730



1.6963, 1.9232, 5.0951

Previews

White Background



This preview shows how the XYZ color 68.6385, 64.8969, 45.4679 looks on a white background.

Color Contrast Check

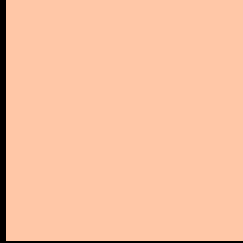
Large Text (above 18pt) WCAG AA × Fail

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 68.6385, 64.8969, 45.4679 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 68.6385, 64.8969, 45.4679

Background



This preview shows how black text looks on a background with the XYZ color 68.6385, 64.8969, 45.4679.



This preview shows how white text looks on a background with the XYZ color 68.6385, 64.8969,

45.4679.

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

68.6385, 64.8969, 45.4679

Protanopia

61.1721, 65.2551, 48.4011

Deuteranopia

66.2449, 65.0579, 45.1423



Tritanopia

72.1403, 64.8443, 68.3885

Trichromacy



Original Color

68.6385, 64.8969, 45.4679

Protanomaly

63.8295, 65.1901, 47.2490

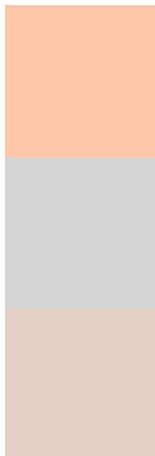
Deuteranomaly

67.0704, 65.1340, 45.1135

Tritanomaly

70.6056, 64.5901, 59.1979

Monochromacy



Original Color

68.6385, 64.8969, 45.4679

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

64.2715, 65.1051, 61.4036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6385, 64.8969, 45.4679 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 167) }
```

Border

The CSS property to change the border of an element to XYZ 68.6385, 64.8969, 45.4679 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, 167) }
```


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

```
.border{ border-color:rgb(255, 199, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6385, 64.8969, 45.4679 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, 167) }
```

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

```
.background{ background-color: rgb(255,  
199, 167) }
```

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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