

Converting Colors

XYZ(69.9795, 67.6931, 45.5627)

Have a look what the booklet for
XYZ(69.9795, 67.6931, 45.5627)
contains.

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Color

**XYZ(69.9543, 67.6758,
45.4521)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCDA6
RGB	255, 205, 166
RGB Percent	100%, 80%, 65%
CMY	0.0000, 0.1961, 0.3490
CMYK	0.00, 0.20, 0.35, 0.00
HSL	26°, 100%, 83%
HSV	26°, 35%, 100%
XYZ	69.9543, 67.6758, 45.4521
YIQ	215.5040, 42.3190, -1.5290

Conversions

Conversions Part 2

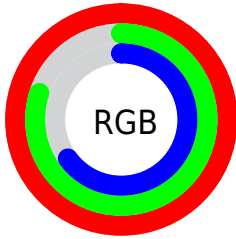
Format	Color
R _Y B	255, 235, 166
Decimal	16764326
CIE Lab	85.84, 12.45, 26.12
CIE LCh	86, 28.937, 64.512
Yxy	67.6758, 0.3821, 0.3696
Android (android.graphics.Color)	4294954406 (0xFFFFCDA6)
YUV	215.5040, -24.4055, 34.6380
Hunter-Lab	82.2653, 7.8232, 24.8276

Details

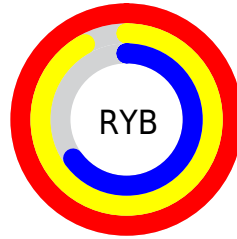
The XYZ color **69.9543, 67.6758, 45.4521** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.3309, 64.4365, 103.9709**, and the grayscale version is **65.0748, 68.4638, 74.5570**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **37.1298, 35.2184, 20.7605** is the 20% darker color. If you saturate the color by 10%, you get **64.5722, 60.2914, 33.2394**, and if you desaturate by 10%, it is **76.1172, 75.8795, 60.2146**.

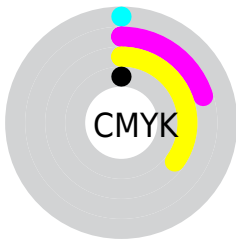
Distribution



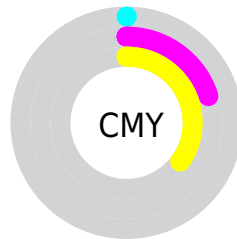
- Red (100%)
- Green (80%)
- Blue (65%)



- Red (100%)
- Yellow (92%)
- Blue (65%)



- Cyan (0%)
- Magenta (20%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.9543, 67.6758, 45.4521 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 69.9543, 67.6758, 45.4521 by changing the saturation by 10% instead.


 69.9543, 67.6758,
45.4521


 69.9543, 67.6758,
45.4521

449.6584,
452.3465, 384.8149

 51.7687, 49.6340,
31.4681


 118.1702,
115.8882, 84.7240

 37.0443, 35.1227,
20.6941


 148.9313,
146.8277, 110.8491

 25.4156, 23.7574,
12.7115

184.6149,
182.8351, 141.8583

 16.5174, 15.1538,
7.1018

225.5864,
224.2950, 178.1701

 9.9841, 8.9274,
3.4465

272.2111,
271.5917, 220.2032

 5.4506, 4.6938,
1.3269

324.8545,

 2.5515, 2.0688,

325.1096, 268.3760

0.0837

383.8818,
385.2330, 323.1070

■ 0.9213, 0.6470,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.9543, 67.6758,
45.4521

■ 69.9543, 67.6758,
45.4521

■ 64.5722, 60.2914,
33.2394

■ 76.1172, 75.8795,
60.2146

■ 59.9302, 53.6890,
23.4245

■ 83.0893, 84.9192,
77.6586

■ 55.9905, 47.8422,
15.8455

■ 90.9035, 94.8230,
97.9116

■ 52.7098, 42.7189,
10.3182

■ 95.0500, 100.0000,
108.9000

■ 50.0383, 38.2838,
6.6287

■ 47.9167, 34.4971,
4.5140

■ 47.0074, 32.7948,
3.8525

Harmonies

Analogous

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



75.3850, 67.6758, 54.9140



69.9543, 67.6758, 45.4521



63.3282, 67.6758, 43.0100

Triad

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



69.9543, 67.6758, 45.4521



52.4580, 67.6758, 76.5909



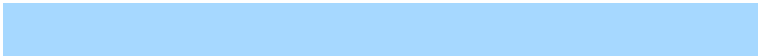
71.8035, 67.6758, 107.9667

Complementary

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



69.9543, 67.6758, 45.4521



58.3309, 64.4365, 103.9709

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.



65.3298, 67.6758, 116.2976



69.9543, 67.6758, 45.4521



54.4013, 67.6758, 96.3153

Square

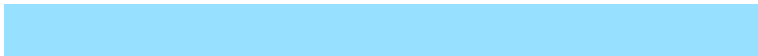
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9543, 67.6758, 45.4521



53.5111, 67.6758, 59.0964



59.0039, 67.6758, 111.7064



76.5030, 67.6758, 90.5018

Rectangle

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



69.9543, 67.6758, 45.4521



59.1893, 67.6758, 45.2625



59.0039, 67.6758, 111.7064



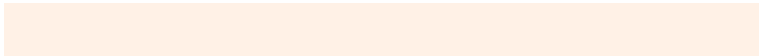
69.7470, 67.6758, 112.0526

Sweetspot

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



69.9559, 67.6789, 45.4535



86.8122, 89.6639, 87.2267



67.3274, 53.5134, 72.0409



18.3484, 18.8960, 18.0679



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.



69.9559, 67.6789, 45.4535



66.0562, 62.3526, 36.5292



82.0194, 91.8059, 49.4746



18.6644, 19.2969, 18.8853



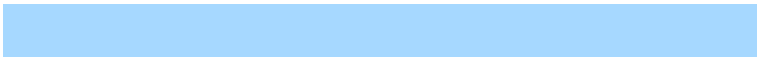
24.7050, 17.4212, 2.0605



2.5119, 1.9093, 0.2361

Inverse Universe

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



58.3309, 64.4365, 103.9709



52.8157, 58.6486, 103.1444



48.5164, 44.8075, 100.6994



17.8496, 19.0708, 22.9902



14.7344, 14.3783, 51.4333



1.5435, 1.6177, 5.0442

Previews

White Background



This preview shows how the XYZ color 69.9543, 67.6758, 45.4521 looks on a white background.

Color Contrast Check

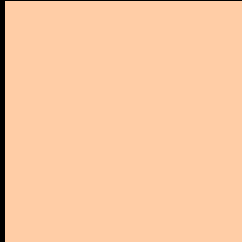
Large Text (above 18pt) WCAG AA × Fail

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 69.9543, 67.6758, 45.4521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

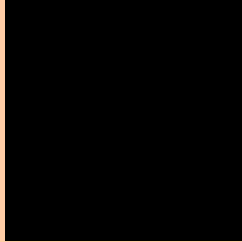
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9543, 67.6758, 45.4521

Background



This preview shows how black text looks on a background with the XYZ color 69.9543, 67.6758, 45.4521.



This preview shows how white text looks on a background with the XYZ color 69.9543, 67.6758,

45.4521.

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

69.9543, 67.6758, 45.4521

Protanopia

63.8692, 68.1612, 47.8204

Deuteranopia

69.0991, 67.5912, 45.4809



Tritanopia

74.2642, 67.8883, 72.8079

Trichromacy



Original Color

69.9543, 67.6758, 45.4521

Protanomaly

65.7156, 67.6302, 47.1265

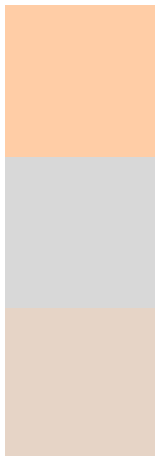
Deuteranomaly

69.4623, 67.7784, 45.4979

Tritanomaly

72.4386, 67.5323, 62.0404

Monochromacy



Original Color

69.9543, 67.6758, 45.4521

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.3697, 67.9872, 63.0509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9543, 67.6758, 45.4521 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, 205, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 166)  
}
```

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, 205, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 166) }
```

Border

The CSS property to change the border of an element to XYZ 69.9543, 67.6758, 45.4521 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, 205, 166) }
```


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

```
.border{ border-color:rgb(255, 205, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9543, 67.6758, 45.4521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 166) }
```

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

```
.background{ background-color: rgb(255,  
205, 166) }
```

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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