

Converting Colors

XYZ(131.5620, 100.0000,
44.9507)

Have a look what the booklet for
XYZ(131.5620, 100.0000, 44.9507)
contains.

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Color

**XYZ(69.5693, 67.9058,
42.2413)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCE9F
RGB	255, 206, 159
RGB Percent	100%, 81%, 62%
CMY	0.0000, 0.1921, 0.3765
CMYK	0.00, 0.19, 0.38, 0.00
HSL	29°, 100%, 81%
HSV	29°, 38%, 100%
XYZ	69.5693, 67.9058, 42.2413
YIQ	215.2930, 44.2910, -4.2290

Conversions

Conversions Part 2

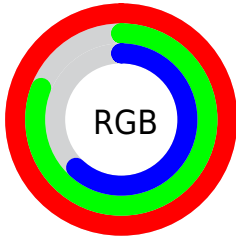
Format	Color
R_{YB}	255, 251, 159
Decimal	16764575
CIE _{Lab}	85.96, 11.13, 29.93
CIE _{LCh}	86, 31.927, 69.606
Yxy	67.9058, 0.3871, 0.3778
Android (android.graphics.Color)	4294954655 (0xFFFFCE9F)
YUV	215.2930, -27.7524, 34.8230
Hunter-Lab	82.4050, 6.4875, 27.2911

Details

The XYZ color **69.5693, 67.9058, 42.2413** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.9032, 59.7006, 103.2374**, and the grayscale version is **64.9526, 68.3351, 74.4170**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **36.9080, 35.3883, 18.7953** is the 20% darker color. If you saturate the color by 10%, you get **64.5767, 61.1039, 30.7632**, and if you desaturate by 10%, it is **75.2813, 75.4156, 56.2126**.

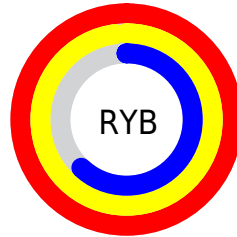
Distribution



Red (100%)

Green (81%)

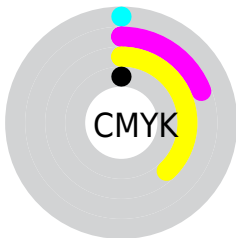
Blue (62%)



Red (100%)

Yellow (98%)

Blue (62%)

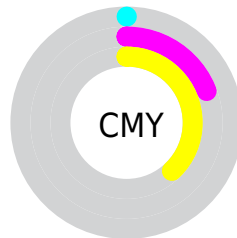


Cyan (0%)

Magenta (19%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.5693, 67.9058, 42.2413 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 69.5693, 67.9058, 42.2413 by changing the saturation by 10% instead.


 69.5693, 67.9058,
42.2413


 69.5693, 67.9058,
42.2413


448.3263,
453.1622, 371.3114

 51.4538, 49.8211,
28.9633


 117.6240,
116.2174, 79.8387

 36.7924, 35.2713,
18.8077


 148.2939,
147.2130, 104.9952

 25.2197, 23.8719,
11.3560


183.8792,
183.2811, 134.9483

 16.3704, 15.2386,
6.1897

224.7455,
224.8061, 170.1165

 9.8792, 8.9870,
2.8901

271.2580,
272.1723, 210.9184

 5.3806, 4.7327,
1.0388

323.7821,

 2.5093, 2.0913,

325.7641, 257.7725

0.0000

382.6830,
385.9659, 311.0973

■ 0.8999, 0.6597,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.5693, 67.9058,
42.2413

■ 69.5693, 67.9058,
42.2413

■ 64.5767, 61.1039,
30.7632

■ 75.2813, 75.4156,
56.2126

■ 60.2637, 54.9765,
21.6231

■ 81.7395, 83.6460,
72.8111

■ 56.5943, 49.5011,
14.6550

■ 88.9752, 92.6216,
92.1662

■ 53.5259, 44.6501,
9.6683

95.0500, 100.0000,
108.9000

■ 51.0094, 40.3924,
6.4393

■ 48.9818, 36.6910,
4.6728

■ 48.5557, 35.8914,
4.3686

Harmonies

Analogous

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



75.9976, 67.9058, 51.1148



69.5693, 67.9058, 42.2413



62.2235, 67.9058, 40.9060

Triad

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



69.5693, 67.9058, 42.2413



51.6430, 67.9058, 80.8661



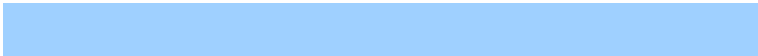
73.9315, 67.9058, 109.5207

Complementary

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



69.5693, 67.9058, 42.2413



54.9032, 59.7006, 103.2374

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.



66.9183, 67.9058, 121.1950



69.5693, 67.9058, 42.2413



54.3003, 67.9058, 102.7079

Square

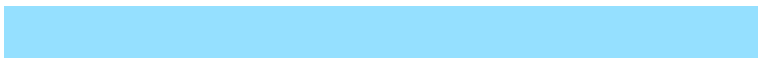
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5693, 67.9058, 42.2413



52.2352, 67.9058, 60.7694



59.7637, 67.9058, 118.4903



78.6452, 67.9058, 88.8833

Rectangle

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



69.5693, 67.9058, 42.2413



57.8396, 67.9058, 44.1521



59.7637, 67.9058, 118.4903



71.7440, 67.9058, 114.7850

Sweetspot

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



69.5710, 67.9090, 42.2427



86.4602, 89.5272, 85.3604



65.0977, 50.6406, 66.4064



18.2939, 18.8999, 17.7011



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.



69.5710, 67.9090, 42.2427



65.8306, 62.8378, 33.5670



82.7498, 94.2666, 46.6356



18.7437, 19.4556, 18.9117



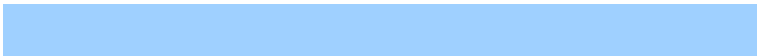
25.5199, 19.0510, 2.3322



2.5937, 2.0728, 0.2634

Inverse Universe

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



54.9032, 59.7006, 103.2374



49.2880, 53.5783, 102.3516



45.0238, 39.9419, 99.9443



17.7695, 18.9106, 22.9635



13.7624, 12.4344, 51.1093



1.4494, 1.4294, 5.0128

Previews

White Background



This preview shows how the XYZ color 69.5693, 67.9058, 42.2413 looks on a white background.

Color Contrast Check

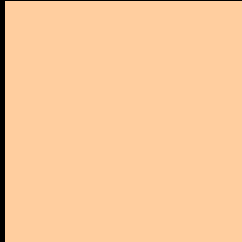
Large Text (above 18pt) WCAG AA × Fail

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 69.5693, 67.9058, 42.2413 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 69.5693, 67.9058, 42.2413

Background



This preview shows how black text looks on a background with the XYZ color 69.5693, 67.9058, 42.2413.



This preview shows how white text looks on a background with the XYZ color 69.5693, 67.9058,

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

69.5693, 67.9058, 42.2413

Protanopia

63.5444, 68.0682, 44.4397

Deuteranopia

69.2024, 67.7166, 42.2241



Tritanopia

74.2642, 67.8883, 72.8079

Trichromacy



Original Color

69.5693, 67.9058, 42.2413

Protanomaly

65.6617, 68.0463, 43.8559

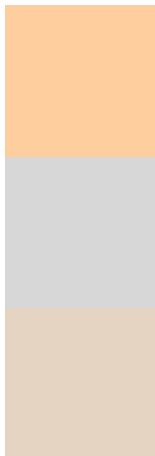
Deuteranomaly

69.2024, 67.7166, 42.2241

Tritanomaly

72.3335, 67.8669, 60.3262

Monochromacy



Original Color

69.5693, 67.9058, 42.2413

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.0269, 67.8501, 61.2461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5693, 67.9058, 42.2413 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, 206, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 159)  
}
```

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, 206, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 159) }
```

Border

The CSS property to change the border of an element to XYZ 69.5693, 67.9058, 42.2413 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, 206, 159) }
```


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

```
.border{ border-color:rgb(255, 206, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5693, 67.9058, 42.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 159) }
```

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

```
.background{ background-color: rgb(255,  
206, 159) }
```

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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