

Converting Colors

XYZ(79.7165, 72.0653, 46.4854)

Have a look what the booklet for
XYZ(79.7165, 72.0653, 46.4854)
contains.

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Color

**XYZ(69.5710, 66.7619,
45.7788)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCBA7
RGB	255, 203, 167
RGB Percent	100%, 80%, 65%
CMY	0.0000, 0.2039, 0.3451
CMYK	0.00, 0.20, 0.35, 0.00
HSL	25°, 100%, 83%
HSV	25°, 35%, 100%
XYZ	69.5710, 66.7619, 45.7788
YIQ	214.4440, 42.5480, -0.1720

Conversions

Conversions Part 2

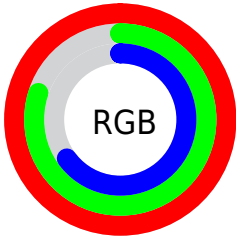
Format	Color
R _Y B	255, 228, 167
Decimal	16763815
CIE Lab	85.38, 13.61, 24.97
CIE LCh	85, 28.438, 61.405
Yxy	66.7619, 0.3820, 0.3666
Android (android.graphics.Color)	4294953895 (0xFFFFCBA7)
YUV	214.4440, -23.3899, 35.5676
Hunter-Lab	81.7080, 8.9966, 23.9770

Details

The XYZ color **69.5710, 66.7619, 45.7788** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.3170, 66.0963, 104.2393**, and the grayscale version is **64.3498, 67.7010, 73.7264**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **36.8679, 34.6030, 20.9556** is the 20% darker color. If you saturate the color by 10%, you get **64.0555, 59.1388, 33.4343**, and if you desaturate by 10%, it is **75.9005, 75.2688, 60.6891**.

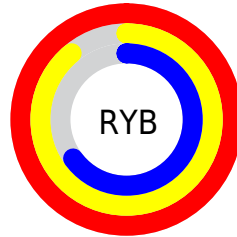
Distribution



Red (100%)

Green (80%)

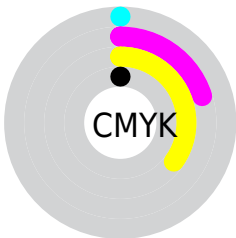
Blue (65%)



Red (100%)

Yellow (89%)

Blue (65%)

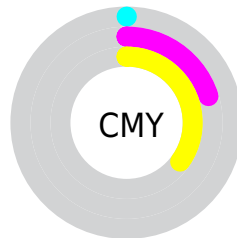


Cyan (0%)

Magenta (20%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.5710, 66.7619, 45.7788 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 69.5710, 66.7619, 45.7788 by changing the saturation by 10% instead.

 69.5710, 66.7619,
45.7788


 69.5710, 66.7619,
45.7788


448.3322,
449.0968, 386.1703

 51.4552, 48.8912,
31.7239


 117.6264,
114.5792, 85.2186

 36.7935, 34.5331,
20.8876


 148.2967,
145.2945, 111.4407

 25.2206, 23.3035,
12.8514


183.8825,
181.0601, 142.5555

 16.3711, 14.8178,
7.1968

224.7492,
222.2605, 178.9816

 9.8796, 8.6916,
3.5052

271.2622,
269.2799, 221.1377

 5.3809, 4.5406,
1.3580

323.7868,

 2.5095, 1.9803,

322.5028, 269.4421

0.1086

382.6883,
382.3137, 324.3135

■ 0.9000, 0.5960,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.5710, 66.7619,
45.7788

■ 69.5710, 66.7619,
45.7788

■ 64.0555, 59.1388,
33.4343

■ 75.9005, 75.2688,
60.6891

■ 59.3118, 52.3595,
23.5039

■ 83.0736, 84.6790,
78.2971

■ 55.3008, 46.3946,
15.8256

■ 91.1244, 95.0232,
98.7304

■ 51.9777, 41.2086,
10.2158

95.0500, 100.0000,
108.9000

■ 49.2912, 36.7631,
6.4614

■ 47.1806, 33.0144,
4.3013

■ 46.2240, 31.2280,
3.5913

Harmonies

Analogous

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



74.6268, 66.7619, 55.7277



69.5710, 66.7619, 45.7788



63.1519, 66.7619, 42.6798

Triad

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



69.5710, 66.7619, 45.7788



51.8588, 66.7619, 73.5658



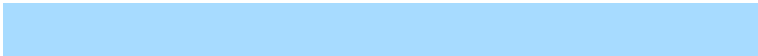
70.1319, 66.7619, 107.3735

Complementary

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



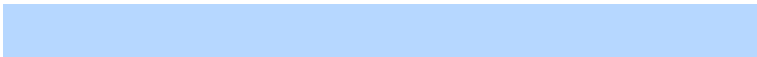
69.5710, 66.7619, 45.7788



59.3170, 66.0963, 104.2393

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.



63.7594, 66.7619, 114.2422



69.5710, 66.7619, 45.7788



53.4581, 66.7619, 92.7916

Square

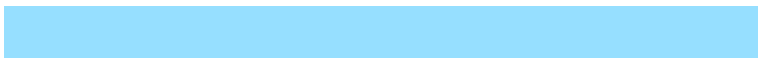
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5710, 66.7619, 45.7788



53.1876, 66.7619, 56.9994



57.7087, 66.7619, 108.5057



74.9658, 66.7619, 91.0298

Rectangle

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



69.5710, 66.7619, 45.7788



59.0405, 66.7619, 44.4111



57.7087, 66.7619, 108.5057



68.0846, 66.7619, 110.9802

Sweetspot

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



69.5727, 66.7650, 45.7802



86.5933, 89.2261, 87.1537



67.9509, 54.0548, 74.4241



18.2956, 18.7903, 18.0503



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.



69.5727, 66.7650, 45.7802



65.9015, 61.7169, 37.4837



81.2319, 90.0835, 49.6666



18.6197, 19.2075, 18.8704



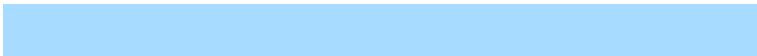
24.2910, 16.5932, 1.9225



2.4694, 1.8241, 0.2219

Inverse Universe

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



59.3170, 66.0963, 104.2393



54.3100, 60.9454, 103.5089



49.4732, 46.4086, 100.9580



17.8952, 19.1620, 23.0054



15.3366, 15.5828, 51.6340



1.6008, 1.7323, 5.0633

Previews

White Background



This preview shows how the XYZ color 69.5710, 66.7619, 45.7788 looks on a white background.

Color Contrast Check

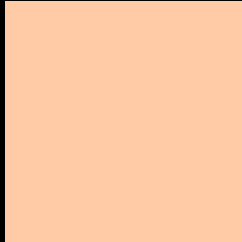
Large Text (above 18pt) WCAG AA × Fail

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 69.5710, 66.7619, 45.7788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

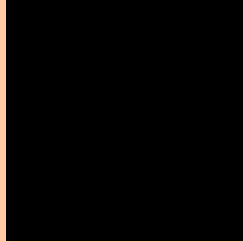
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.5710, 66.7619, 45.7788

Background



This preview shows how black text looks on a background with the XYZ color 69.5710, 66.7619, 45.7788.



This preview shows how white text looks on a background with the XYZ color 69.5710, 66.7619,

45.7788.

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

69.5710, 66.7619, 45.7788

Protanopia

62.9192, 66.8980, 48.6261

Deuteranopia

68.2307, 66.7767, 45.8523



Tritanopia

73.5471, 66.8603, 71.3163

Trichromacy



Original Color

69.5710, 66.7619, 45.7788

Protanomaly

64.9812, 66.5077, 47.4426

Deuteranomaly

68.7128, 66.6712, 45.8065

Tritanomaly

71.8581, 66.5541, 61.2834

Monochromacy



Original Color

69.5710, 66.7619, 45.7788

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.4377, 66.7824, 62.2647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5710, 66.7619, 45.7788 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, 203, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 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, 203, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 167) }
```

Border

The CSS property to change the border of an element to XYZ 69.5710, 66.7619, 45.7788 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, 203, 167) }
```


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

```
.border{ border-color:rgb(255, 203, 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, 203, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5710, 66.7619, 45.7788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 167) }
```

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

```
.background{ background-color: rgb(255,  
203, 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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