

Converting Colors

XYZ(76.4519, 69.9024, 45.4217)

Have a look what the booklet for
XYZ(76.4519, 69.9024, 45.4217)
contains.

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Color

**XYZ(69.2435, 66.2542,
45.2152)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCAA6
RGB	255, 202, 166
RGB Percent	100%, 79%, 65%
CMY	0.0000, 0.2078, 0.3490
CMYK	0.00, 0.21, 0.35, 0.00
HSL	24°, 100%, 83%
HSV	24°, 35%, 100%
XYZ	69.2435, 66.2542, 45.2152
YIQ	213.7430, 43.1440, 0.0400

Conversions

Conversions Part 2

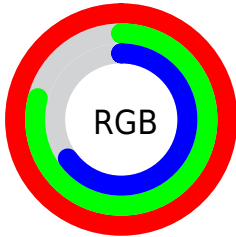
Format	Color
R _Y B	255, 226, 166
Decimal	16763558
CIE Lab	85.13, 14.01, 25.14
CIE LCh	85, 28.784, 60.867
Yxy	66.2542, 0.3832, 0.3666
Android (android.graphics.Color)	4294953638 (0xFFFFCAA6)
YUV	213.7430, -23.5373, 36.1824
Hunter-Lab	81.3967, 9.4043, 24.0426

Details

The XYZ color **69.2435, 66.2542, 45.2152** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.1066, 65.9878, 104.2294**, and the grayscale version is **63.8780, 67.2046, 73.1858**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **36.6531, 34.2650, 20.6016** is the 20% darker color. If you saturate the color by 10%, you get **63.7434, 58.6336, 32.9631**, and if you desaturate by 10%, it is **75.5612, 74.7675, 60.0293**.

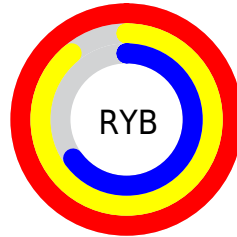
Distribution



Red (100%)

Green (79%)

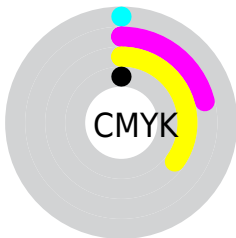
Blue (65%)



Red (100%)

Yellow (89%)

Blue (65%)

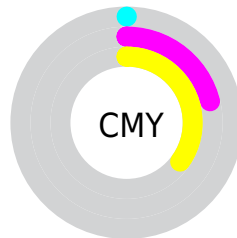


Cyan (0%)

Magenta (21%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (21%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.2435, 66.2542, 45.2152 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 69.2435, 66.2542, 45.2152 by changing the saturation by 10% instead.


 69.2435, 66.2542,
45.2152


 69.2435, 66.2542,
45.2152


447.1973,
447.2854, 383.8299

 51.1874, 48.4788,
31.2828


 117.1615,
113.8511, 84.3651

 36.5794, 34.2062,
20.5540


 147.7540,
144.4414, 110.4197

 25.0542, 23.0521,
12.6103


183.2562,
180.0721, 141.3521

 16.2464, 14.6319,
7.0332

224.0332,
221.1276, 177.5808

 9.7906, 8.5615,
3.4041

270.4504,
267.9922, 219.5244

 5.3216, 4.4563,
1.3045

322.8733,

 2.4738, 1.9319,

321.0505, 267.6014

0.0655

381.6671,
380.6868, 322.2304

■ 0.8821, 0.5675,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.2435, 66.2542,
45.2152

■ 69.2435, 66.2542,
45.2152

■ 63.7434, 58.6336,
32.9631

■ 75.5612, 74.7675,
60.0293

■ 59.0184, 51.8655,
23.1206

■ 82.7266, 84.1939,
77.5377

■ 55.0292, 45.9196,
15.5250

■ 90.7741, 94.5643,
97.8684

■ 51.7303, 40.7599,
9.9917

95.0500, 100.0000,
108.9000

■ 49.0700, 36.3472,
6.3059

■ 46.9865, 32.6368,
4.2039

■ 46.1063, 30.9926,
3.5521

Harmonies

Analogous

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



74.2994, 66.2542, 55.3180



69.2435, 66.2542, 45.2152



62.7841, 66.2542, 41.9878

Triad

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



69.2435, 66.2542, 45.2152



51.3042, 66.2542, 72.6814



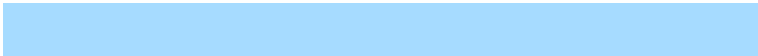
69.5923, 66.2542, 107.3586

Complementary

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



69.2435, 66.2542, 45.2152



59.1066, 65.9878, 104.2294

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.



63.1615, 66.2542, 114.0854



69.2435, 66.2542, 45.2152



52.8598, 66.2542, 92.0661

Square

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



69.2435, 66.2542, 45.2152



52.6920, 66.2542, 56.1060



57.0923, 66.2542, 108.0647



74.5104, 66.2542, 90.9691

Rectangle

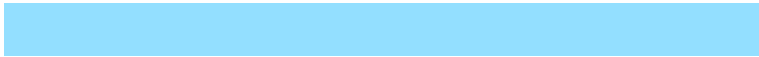
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.2435, 66.2542, 45.2152



58.6327, 66.2542, 43.6397



57.0923, 66.2542, 108.0647



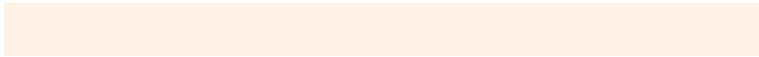
67.5216, 66.2542, 110.9394

Sweetspot

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



69.2451, 66.2573, 45.2165



86.5588, 89.1571, 87.1422



67.7155, 53.6687, 74.0848



18.2873, 18.7737, 18.0475



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.



69.2451, 66.2573, 45.2165



65.2579, 60.7560, 36.2631



81.1093, 89.9857, 49.1713



18.6126, 19.1934, 18.8680



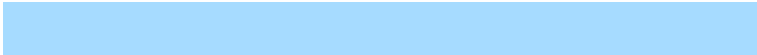
24.2287, 16.4686, 1.9018



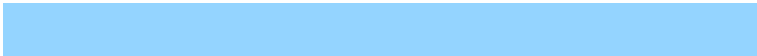
2.4629, 1.8112, 0.2198

Inverse Universe

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



59.1066, 65.9878, 104.2294



53.7063, 60.4299, 103.4412



49.0871, 45.9488, 100.8896



17.9024, 19.1765, 23.0078



15.4352, 15.7800, 51.6669



1.6101, 1.7510, 5.0664

Previews

White Background



This preview shows how the XYZ color 69.2435, 66.2542, 45.2152 looks on a white background.

Color Contrast Check

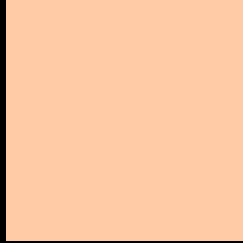
Large Text (above 18pt) WCAG AA × Fail

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 69.2435, 66.2542, 45.2152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

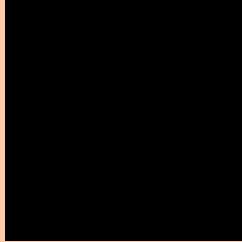
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.2435, 66.2542, 45.2152

Background



This preview shows how black text looks on a background with the XYZ color 69.2435, 66.2542, 45.2152.



This preview shows how white text looks on a background with the XYZ color 69.2435, 66.2542,

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

69.2435, 66.2542, 45.2152

Protanopia

62.5090, 66.6975, 48.1074

Deuteranopia

67.5427, 66.0786, 45.2710



Tritanopia

73.1920, 66.3513, 70.5775

Trichromacy



Original Color

69.2435, 66.2542, 45.2152

Protanomaly

64.8869, 66.4700, 46.9462

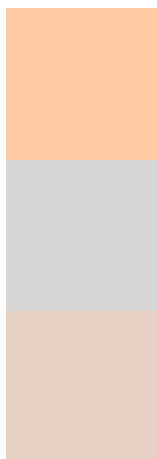
Deuteranomaly

68.0225, 65.9743, 45.2255

Tritanomaly

71.5138, 66.0470, 60.6089

Monochromacy



Original Color

69.2435, 66.2542, 45.2152

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 69.2435, 66.2542, 45.2152 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, 202, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 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, 202, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 166) }
```

Border

The CSS property to change the border of an element to XYZ 69.2435, 66.2542, 45.2152 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, 202, 166) }
```


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

```
.border{ border-color:rgb(255, 202, 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, 202, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2435, 66.2542, 45.2152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 166) }
```

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

```
.background{ background-color: rgb(255,  
202, 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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