

Converting Colors

XYZ(64.6606, 66.9003, 35.0904)

Have a look what the booklet for
XYZ(64.6606, 66.9003, 35.0904)
contains.

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Color

**XYZ(64.5470, 66.9234,
35.1067)**

Conversions

Conversions Part 1

Format	Color
Hex	F2D28E
RGB	242, 210, 142
RGB Percent	95%, 82%, 56%
CMY	0.0510, 0.1764, 0.4431
CMYK	0.00, 0.13, 0.41, 0.05
HSL	41°, 79%, 75%
HSV	41°, 41%, 95%
XYZ	64.5470, 66.9234, 35.1067
YIQ	211.8160, 40.9000, -14.3640

Conversions

Conversions Part 2

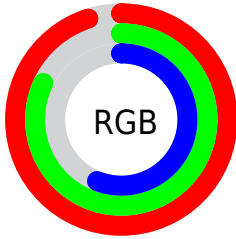
Format	Color
R_{YB}	189, 242, 142
Decimal	15913614
CIE _{Lab}	85.47, 2.14, 37.80
CIE _{LCh}	85, 37.858, 86.759
Yxy	66.9234, 0.3875, 0.4018
Android (android.graphics.Color)	4294103694 (0xFFFF2D28E)
YUV	211.8160, -34.4193, 26.4714
Hunter-Lab	81.8067, -2.3220, 31.8209

Details

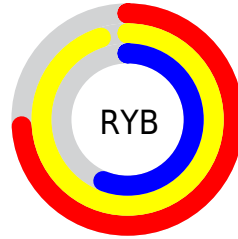
The XYZ color **64.5470, 66.9234, 35.1067** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **42.3179, 42.4322, 89.9641**, and the grayscale version is **62.6608, 65.9241, 71.7913**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **33.5440, 34.7226, 14.8317** is the 20% darker color. If you saturate the color by 10%, you get **61.0586, 62.5454, 25.9323**, and if you desaturate by 10%, it is **68.5257, 71.6504, 46.3919**.

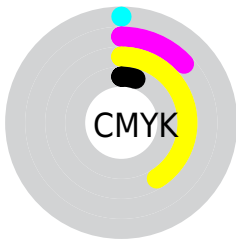
Distribution



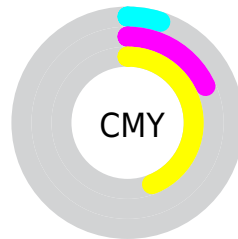
- Red (95%)
- Green (82%)
- Blue (56%)



- Red (74%)
- Yellow (95%)
- Blue (56%)



- Cyan (0%)
- Magenta (13%)
- Yellow (41%)
- Black (5%)



- Cyan (5%)
- Magenta (18%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5470, 66.9234, 35.1067 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 64.5470, 66.9234, 35.1067 by changing the saturation by 10% instead.

64.5470, 66.9234,
35.1067

64.5470, 66.9234,
35.1067

430.7333,
449.6721, 339.9576

47.3572, 49.0224,
23.4609

110.4677,
114.8106, 68.8045

33.5272, 34.6372,
14.7257

139.9292,
145.5657, 91.6935

22.6918, 23.3836,
8.4826

174.2121,
181.3741, 119.1673

14.4856, 14.8770,
4.3131

213.6816,
222.6204, 151.6445

8.5431, 8.7331,
1.7986

258.7031,
269.6890, 189.5436

4.4991, 4.5675,
0.4271

309.6420,

1.9882, 1.9958,

322.9642, 233.2831

0.0000

366.8636,
382.8304, 283.2816

■ 0.6273, 0.6050,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5470, 66.9234,
35.1067

■ 64.5470, 66.9234,
35.1067

■ 61.0586, 62.5454,
25.9323

■ 68.5257, 71.6504,
46.3919

■ 58.0284, 58.4941,
18.7284


■ 73.0144, 76.7291,
59.9079


■ 55.4279, 54.7586,
13.3440


■ 78.0378, 82.1735,
75.7703


■ 53.2227, 51.3227,
9.6042

■ 83.6170, 87.9943,
94.0856

 51.3716, 48.1680,
7.2994

 88.4569, 93.6752,
108.0267

 49.9962, 45.6339,
6.1731

 90.4279, 97.6172,
108.6837

Harmonies

Analogous

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



73.0996, 66.9234, 40.0311



64.5470, 66.9234, 35.1067



56.4575, 66.9234, 38.2640

Triad

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



64.5470, 66.9234, 35.1067



49.9701, 66.9234, 96.3107



78.4485, 66.9234, 101.9974

Complementary

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



64.5470, 66.9234, 35.1067



42.3179, 42.4322, 89.9641

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.



71.3396, 66.9234, 123.7965



64.5470, 66.9234, 35.1067



54.9770, 66.9234, 120.0280

Square

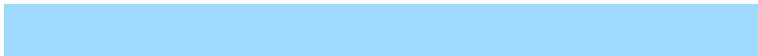
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.5470, 66.9234, 35.1067



48.5011, 66.9234, 70.2266



62.6795, 66.9234, 131.0391



81.5668, 66.9234, 75.5752

Rectangle

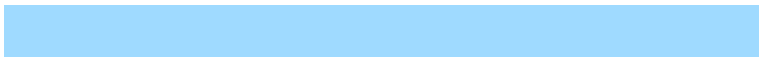
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.5470, 66.9234, 35.1067



52.3183, 66.9234, 45.0271



62.6795, 66.9234, 131.0391



76.4167, 66.9234, 110.3183

Sweetspot

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



64.5487, 66.9265, 35.1081



87.4648, 92.0953, 83.9721



54.0620, 41.3322, 45.8585



18.5562, 19.5360, 17.4449



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.



64.5487, 66.9265, 35.1081



69.2025, 71.0035, 30.3076



67.7902, 81.5184, 37.7537



16.6717, 17.5565, 16.6598



26.9872, 24.7724, 3.3592



2.3344, 2.2396, 0.3092

Inverse Universe

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



42.3179, 42.4322, 89.9641



40.9338, 39.8840, 100.1487



39.9327, 33.0945, 88.2875



15.3101, 16.0543, 20.0135



10.1606, 6.5454, 45.8557



0.9317, 0.7175, 3.8436

Previews

White Background



This preview shows how the XYZ color 64.5470, 66.9234, 35.1067 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 64.5470, 66.9234, 35.1067 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 64.5470, 66.9234, 35.1067

Background



This preview shows how black text looks on a background with the XYZ color 64.5470, 66.9234, 35.1067.



This preview shows how white text looks on a background with the XYZ color 64.5470, 66.9234,

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

64.5470, 66.9234, 35.1067

Protanopia

62.2832, 67.2321, 35.6810

Deuteranopia

68.2596, 66.9980, 36.5284



Tritanopia

72.7057, 67.0551, 74.0767

Trichromacy



Original Color

64.5470, 66.9234, 35.1067

Protanomaly

63.3442, 67.4045, 35.6584

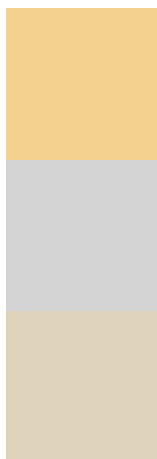
Deuteranomaly

66.8480, 66.9940, 36.1959

Tritanomaly

69.1359, 66.6340, 57.3619

Monochromacy



Original Color

64.5470, 66.9234, 35.1067

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.6953, 65.8644, 56.4224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5470, 66.9234, 35.1067 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(242, 210, 142)` looks like.

```
.text, #text, p{  
    color:rgb(242, 210, 142)  
}
```

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(242, 210, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 210, 142) }
```

Border

The CSS property to change the border of an element to XYZ 64.5470, 66.9234, 35.1067 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(242, 210, 142) }
```


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

```
.border{ border-color:rgb(242, 210, 142) }
```

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

Here you see how a box with a 4 pixel rgb(242, 210, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 210, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 210, 142);  
box-shadow:4px 4px 4px 4px rgb(242, 210,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5470, 66.9234, 35.1067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 210, 142) }
```

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

```
.background{ background-color: rgb(242,  
210, 142) }
```

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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