

Converting Colors

XYZ(66.7352, 70.5463, 47.1833)

Have a look what the booklet for
XYZ(66.7352, 70.5463, 47.1833)
contains.

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Color

**XYZ(66.8058, 70.4574,
47.1244)**

Conversions

Conversions Part 1

Format	Color
Hex	EDD9A8
RGB	237, 217, 168
RGB Percent	93%, 85%, 66%
CMY	0.0706, 0.1490, 0.3412
CMYK	0.00, 0.08, 0.29, 0.07
HSL	43°, 66%, 79%
HSV	43°, 29%, 93%
XYZ	66.8058, 70.4574, 47.1244
YIQ	217.3940, 27.6490, -10.9990

Conversions

Conversions Part 2

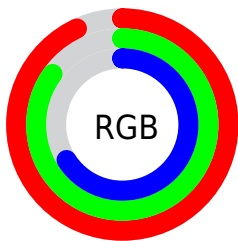
Format	Color
R_{YB}	196, 237, 168
Decimal	15587752
CIE _{Lab}	87.22, -0.36, 26.68
CIE _{LCh}	87, 26.686, 90.770
Yxy	70.4574, 0.3623, 0.3821
Android (android.graphics.Color)	4293777832 (0xFFEDD9A8)
YUV	217.3940, -24.3512, 17.1945
Hunter-Lab	83.9389, -4.8274, 25.4711

Details

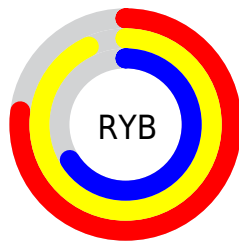
The XYZ color **66.8058, 70.4574, 47.1244** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.4174, 50.4043, 87.2454**, and the grayscale version is **66.3739, 69.8305, 76.0454**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **34.8951, 36.8049, 21.7879** is the 20% darker color. If you saturate the color by 10%, you get **63.0630, 66.1889, 35.9587**, and if you desaturate by 10%, it is **71.0283, 75.0406, 60.4369**.

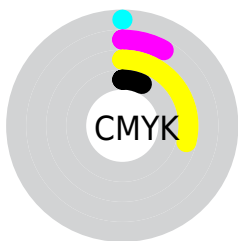
Distribution



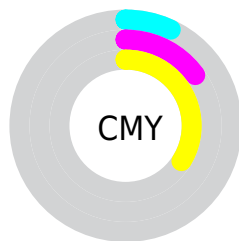
- Red (93%)
- Green (85%)
- Blue (66%)



- Red (77%)
- Yellow (93%)
- Blue (66%)



- Cyan (0%)
- Magenta (8%)
- Yellow (29%)
- Black (7%)



- Cyan (7%)
- Magenta (15%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8058, 70.4574, 47.1244 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 66.8058, 70.4574, 47.1244 by changing the saturation by 10% instead.

66.8058, 70.4574,
47.1244

66.8058, 70.4574,
47.1244

438.6966,
462.1544, 391.7190

49.1969, 51.8995,
32.7790

113.6934,
119.8608, 87.2512

34.9909, 36.9250,
21.6874

143.7029,
151.4751, 113.8697

23.8224, 25.1494,
13.4313

178.5767,
188.2104, 145.4162

15.3259, 16.1884,
7.5920

218.6800,
230.4509, 182.3093

9.1362, 9.6576,
3.7510

264.3783,
278.5812, 224.9677

4.8880, 5.1725,
1.4898

316.0369,

2.2158, 2.3488,

332.9856, 273.8097

0.2103

374.0212,
394.0486, 329.2539

■ 0.7510, 0.7994,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.8058, 70.4574,
47.1244

■ 66.8058, 70.4574,
47.1244

■ 63.0630, 66.1889,
35.9587

■ 71.0283, 75.0406,
60.4369

■ 59.7718, 62.2150,
26.8198

■ 75.7462, 79.9388,
75.9986

■ 56.9091, 58.5276,
19.5828

■ 80.9811, 85.1644,
93.9106

■ 54.4473, 55.1141,
14.1069

■ 85.4696, 90.2134,
107.5159

■ 52.3551, 51.9604,
10.2315

■ 87.5801, 94.4346,
108.2195

■ 50.5954, 49.0503,
7.7667

■ 88.7351, 96.7446,
108.6045

■ 49.1119, 46.3597,
6.4202

■ 48.9874, 46.1291,
6.3219

Harmonies

Analogous

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



73.0258, 70.4574, 50.3692



66.8058, 70.4574, 47.1244



60.9902, 70.4574, 50.7205

Triad

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



66.8058, 70.4574, 47.1244



57.1385, 70.4574, 95.7603



78.0432, 70.4574, 94.8319

Complementary

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



66.8058, 70.4574, 47.1244



49.4174, 50.4043, 87.2454

Split Complementary

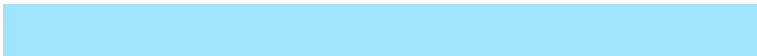
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.3234, 70.4574, 110.3524



66.8058, 70.4574, 47.1244



61.2542, 70.4574, 110.9446

Square

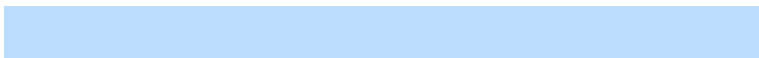
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.8058, 70.4574, 47.1244



55.6270, 70.4574, 77.1810



67.1298, 70.4574, 116.6553



79.7535, 70.4574, 76.2532

Rectangle

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



66.8058, 70.4574, 47.1244



58.0606, 70.4574, 56.8952



67.1298, 70.4574, 116.6553



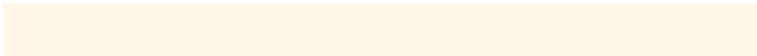
76.7421, 70.4574, 100.6765

Sweetspot

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



66.8076, 70.4606, 47.1259



89.4876, 94.4390, 89.8932



58.0811, 49.6717, 54.5008



18.9717, 20.0278, 18.6292



0.0000, 0.0000, 0.0000



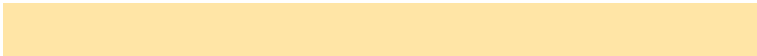
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.8076, 70.4606, 47.1259



76.1573, 80.1186, 47.4068



67.8456, 79.1156, 48.7417



15.9618, 16.8467, 15.9292



26.8636, 25.4213, 3.4909



2.1914, 2.1602, 0.3015

Inverse Universe

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



49.4174, 50.4043, 87.2454



52.4882, 52.8294, 102.0384



48.5337, 44.0414, 86.0638



14.5868, 15.2600, 19.0989



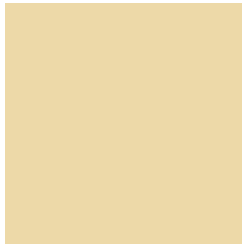
9.5944, 5.8359, 44.3637



0.8336, 0.6186, 3.5103

Previews

White Background



This preview shows how the XYZ color 66.8058, 70.4574, 47.1244 looks on a white background.

Color Contrast Check

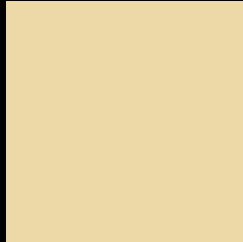
Large Text (above 18pt) WCAG AA × Fail

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 66.8058, 70.4574, 47.1244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

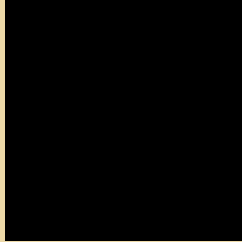
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.8058, 70.4574, 47.1244

Background



This preview shows how black text looks on a background with the XYZ color 66.8058, 70.4574, 47.1244.



This preview shows how white text looks on a background with the XYZ color 66.8058, 70.4574,

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

66.8058, 70.4574, 47.1244

Protanopia

65.8371, 70.3310, 47.6414

Deuteranopia

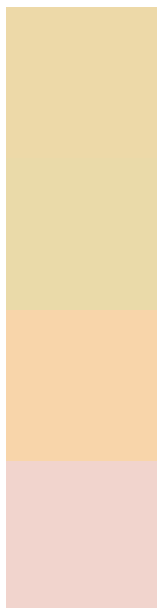
71.6373, 70.2935, 48.3204



Tritanopia

73.8362, 70.3250, 81.6340

Trichromacy



Original Color

66.8058, 70.4574, 47.1244

Protanomaly

66.1645, 70.4998, 47.6567

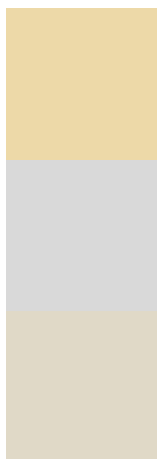
Deuteranomaly

69.7613, 70.4472, 47.9511

Tritanomaly

70.8386, 70.1955, 67.5731

Monochromacy



Original Color

66.8058, 70.4574, 47.1244

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.8621, 69.5965, 63.9950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8058, 70.4574, 47.1244 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(237, 217, 168)` looks like.

```
.text, #text, p{  
    color:rgb(237, 217, 168)  
}
```

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(237, 217, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 217, 168) }
```

Border

The CSS property to change the border of an element to XYZ 66.8058, 70.4574, 47.1244 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(237, 217, 168) }
```


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

```
.border{ border-color:rgb(237, 217, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 217, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 217, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 217, 168);  
box-shadow:4px 4px 4px 4px rgb(237, 217,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8058, 70.4574, 47.1244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 217, 168) }
```

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

```
.background{ background-color: rgb(237,  
217, 168) }
```

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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