

Converting Colors

XYZ(67.4706, 71.0129, 48.2146)

Have a look what the booklet for
XYZ(67.4706, 71.0129, 48.2146)
contains.

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Color

**XYZ(67.5870, 71.2222,
48.2153)**

Conversions

Conversions Part 1

Format	Color
Hex	EEDAAA
RGB	238, 218, 170
RGB Percent	93%, 85%, 67%
CMY	0.0667, 0.1451, 0.3333
CMYK	0.00, 0.08, 0.29, 0.07
HSL	42°, 67%, 80%
HSV	42°, 29%, 93%
XYZ	67.5870, 71.2222, 48.2153
YIQ	218.5080, 27.3280, -10.6880

Conversions

Conversions Part 2

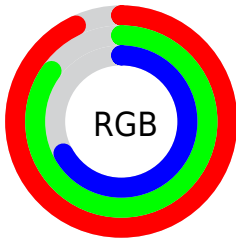
Format	Color
RYB	198, 238, 170
Decimal	15653546
CIELab	87.59, -0.24, 26.17
CIELCh	88, 26.167, 90.518
Yxy	71.2222, 0.3614, 0.3808
Android (android.graphics.Color)	4293843626 (0xFFEEDAAA)
YUV	218.5080, -23.9144, 17.0945
Hunter-Lab	84.3932, -4.7350, 25.2019

Details

The XYZ color **67.5870, 71.2222, 48.2153** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.4233, 51.5447, 88.1807**, and the grayscale version is **67.1398, 70.6362, 76.9229**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **35.4233, 37.3261, 22.4772** is the 20% darker color. If you saturate the color by 10%, you get **63.7602, 66.8512, 36.8196**, and if you desaturate by 10%, it is **71.9017, 75.9160, 61.7861**.

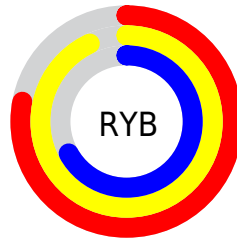
Distribution



Red (93%)

Green (85%)

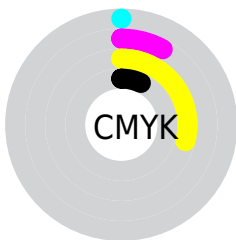
Blue (67%)



Red (78%)

Yellow (93%)

Blue (67%)

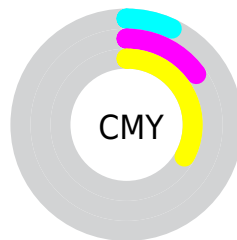


Cyan (0%)

Magenta (8%)

Yellow (29%)

Black (7%)



Cyan (7%)

Magenta (15%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5870, 71.2222, 48.2153 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 67.5870, 71.2222, 48.2153 by changing the saturation by 10% instead.

67.5870, 71.2222,
48.2153

67.5870, 71.2222,
48.2153

441.4310,
464.8298, 396.1782

49.8343, 52.5235,
33.6362

114.8063,
120.9501, 88.8938

35.4990, 37.4226,
22.3392

145.0035,
152.7481, 115.8302

24.2158, 25.5348,
13.9056

180.0797,
189.6813, 147.7229

15.6194, 16.4760,
7.9171

220.4000,
232.1341, 184.9903

9.3444, 9.8616,
3.9549

266.3300,
280.4910, 228.0510

5.0254, 5.3073,
1.6006

318.2349,

2.2971, 2.4287,

335.1364, 277.3235

0.2913

376.4802,
396.4545, 333.2264

■ 0.7932, 0.8406,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.5870, 71.2222,
48.2153

■ 67.5870, 71.2222,
48.2153

■ 63.7602, 66.8512,
36.8196

■ 71.9017, 75.9160,
61.7861

■ 60.3929, 62.7826,
27.4784

■ 76.7201, 80.9329,
77.6350

■ 57.4620, 59.0081,
20.0660

■ 82.0640, 86.2855,
95.8639

■ 54.9395, 55.5151,
14.4410

■ 86.2654, 91.3080,
107.6853

■ 52.7941, 52.2893,
10.4425

■ 88.4343, 95.6459,
108.4083

■ 50.9888, 49.3145,
7.8804

■ 89.0700, 96.9172,
108.6201

■ 49.4700, 46.5674,
6.4787

■ 49.2660, 46.1892,
6.3188

Harmonies

Analogous

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



73.7223, 71.2222, 51.5013



67.5870, 71.2222, 48.2153



61.8290, 71.2222, 51.7363

Triad

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



67.5870, 71.2222, 48.2153



57.9509, 71.2222, 96.1769



78.5922, 71.2222, 95.5620

Complementary

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



67.5870, 71.2222, 48.2153



50.4233, 51.5447, 88.1807

Split Complementary

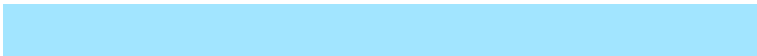
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.9198, 71.2222, 110.7732



67.5870, 71.2222, 48.2153



62.0047, 71.2222, 111.1646

Square

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



67.5870, 71.2222, 48.2153



56.4776, 71.2222, 77.8575



67.8022, 71.2222, 116.8688



80.3063, 71.2222, 77.2411

Rectangle

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



67.5870, 71.2222, 48.2153



58.9181, 71.2222, 57.8331



67.8022, 71.2222, 116.8688



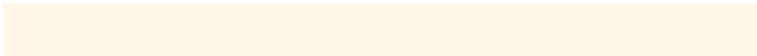
77.3020, 71.2222, 101.3023

Sweetspot

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



67.5888, 71.2254, 48.2168



89.4574, 94.3787, 89.8832



58.9733, 50.6627, 55.6162



18.9642, 20.0129, 18.6267



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.



67.5888, 71.2254, 48.2168



76.4955, 80.4177, 48.6829



68.6953, 79.9630, 49.8450



16.7076, 17.6282, 16.6717



27.6028, 26.0037, 3.5644



2.3820, 2.3347, 0.3251

Inverse Universe

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



50.4233, 51.5447, 88.1807



53.5083, 54.0695, 102.2240



49.4796, 45.0645, 86.9796



15.2760, 15.9861, 20.0021



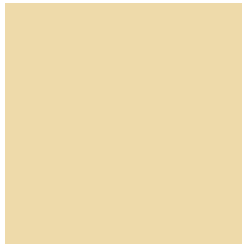
9.9284, 6.0810, 45.7783



0.9090, 0.6719, 3.8360

Previews

White Background



This preview shows how the XYZ color 67.5870, 71.2222, 48.2153 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 67.5870, 71.2222, 48.2153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

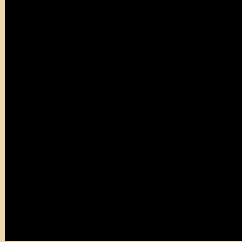
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.5870, 71.2222, 48.2153

Background



This preview shows how black text looks on a background with the XYZ color 67.5870, 71.2222, 48.2153.



This preview shows how white text looks on a background with the XYZ color 67.5870, 71.2222,

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

67.5870, 71.2222, 48.2153

Protanopia

66.6139, 71.0957, 48.7400

Deuteranopia

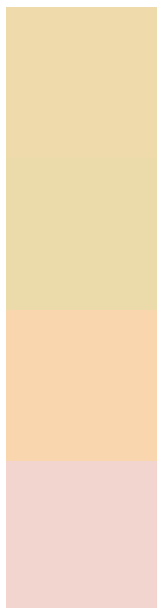
72.2721, 70.9437, 50.4418



Tritanopia

74.5679, 71.0517, 82.4572

Trichromacy



Original Color

67.5870, 71.2222, 48.2153

Protanomaly

66.9432, 71.2655, 48.7554

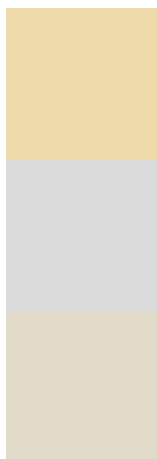
Deuteranomaly

70.6563, 71.2500, 49.5638

Tritanomaly

71.5528, 70.9220, 68.3106

Monochromacy



Original Color

67.5870, 71.2222, 48.2153

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.2382, 71.0488, 65.4283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5870, 71.2222, 48.2153 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(238, 218, 170)` looks like.

```
.text, #text, p{  
    color:rgb(238, 218, 170)  
}
```

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(238, 218, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 218, 170) }
```

Border

The CSS property to change the border of an element to XYZ 67.5870, 71.2222, 48.2153 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(238, 218, 170) }
```


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

```
.border{ border-color:rgb(238, 218, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 218, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 218, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 218, 170);  
box-shadow:4px 4px 4px 4px rgb(238, 218,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5870, 71.2222, 48.2153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 218, 170) }
```

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

```
.background{ background-color: rgb(238,  
218, 170) }
```

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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