

Converting Colors

XYZ(65.7067, 70.6188, 48.6607)

Have a look what the booklet for
XYZ(65.7067, 70.6188, 48.6607)
contains.

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Color

**XYZ(65.6372, 70.5922,
48.6943)**

Conversions

Conversions Part 1

Format	Color
Hex	E7DBAB
RGB	231, 219, 171
RGB Percent	91%, 86%, 67%
CMY	0.0941, 0.1412, 0.3294
CMYK	0.00, 0.05, 0.26, 0.09
HSL	48°, 56%, 79%
HSV	48°, 26%, 91%
XYZ	65.6372, 70.5922, 48.6943
YIQ	217.1160, 22.5600, -12.3840

Conversions

Conversions Part 2

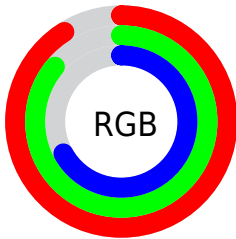
Format	Color
R_{YB}	186, 231, 171
Decimal	15195051
CIE _{Lab}	87.29, -3.25, 25.13
CIE _{LCh}	87, 25.344, 97.367
Yxy	70.5922, 0.3549, 0.3817
Android (android.graphics.Color)	4293385131 (0xFFE7DBAB)
YUV	217.1160, -22.7352, 12.1763
Hunter-Lab	84.0192, -7.5863, 24.4512

Details

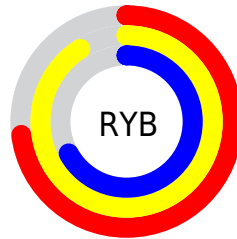
The XYZ color **65.6372, 70.5922, 48.6943** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.1517, 48.2933, 82.3853**, and the grayscale version is **66.1745, 69.6208, 75.8170**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **34.2247, 36.9729, 22.4722** is the 20% darker color. If you saturate the color by 10%, you get **62.4375, 67.4136, 37.6976**, and if you desaturate by 10%, it is **69.2589, 73.9979, 61.7317**.

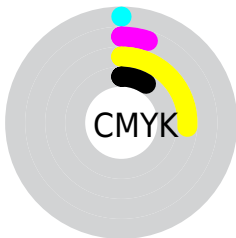
Distribution



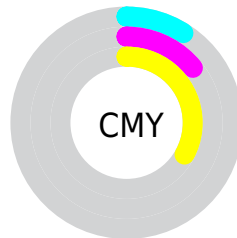
- Red (91%)
- Green (86%)
- Blue (67%)



- Red (73%)
- Yellow (91%)
- Blue (67%)



- Cyan (0%)
- Magenta (5%)
- Yellow (26%)
- Black (9%)



- Cyan (9%)
- Magenta (14%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6372, 70.5922, 48.6943 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 65.6372, 70.5922, 48.6943 by changing the saturation by 10% instead.

■ 65.6372, 70.5922,
48.6943

■ 65.6372, 70.5922,
48.6943

434.5874,
462.6266, 398.1254

■ 48.2446, 52.0095,
34.0132

■ 112.0261,
120.0529, 89.6135

■ 34.2327, 37.0126,
22.6263

141.7530,
151.6996, 116.6887

■ 23.2361, 25.2173,
14.1151

176.3221,
188.4698, 148.7323

■ 14.8896, 16.2390,
8.0611

216.0988,
230.7479, 186.1628

■ 8.8278, 9.6934,
4.0457

261.4482,
278.9182, 229.3989

■ 4.6852, 5.1962,
1.6505

312.7359,

■ 2.0966, 2.3628,

333.3652, 278.8590

0.3265

370.3272,
394.4732, 334.9616

■ 0.6874, 0.8067,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.6372, 70.5922,
48.6943

■ 65.6372, 70.5922,
48.6943

■ 62.4375, 67.4136,
37.6976

■ 69.2589, 73.9979,
61.7317

■ 59.6339, 64.4441,
28.6317

■ 73.3158, 77.6293,
76.9033

■ 57.2062, 61.6776,
21.3829

■ 77.8275, 81.4968,
94.3021

■ 55.1300, 59.1038,
15.8239

■ 81.4279, 85.0546,
106.7332

■ 53.3777, 56.7114,
11.8109

■ 82.7859, 87.7705,
107.1859

■ 51.9170, 54.4869,
9.1760

■ 84.1786, 90.5558,
107.6501

■ 50.7084, 52.4141,
7.7114

■ 85.6062, 93.4111,
108.1260

■ 50.2664, 51.6115,
7.3127

■ 86.7651, 95.7290,
108.5123

Harmonies

Analogous

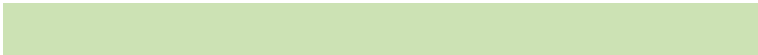
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.6027, 70.5922, 50.3778



65.6372, 70.5922, 48.6943



60.3788, 70.5922, 53.6199

Triad

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



65.6372, 70.5922, 48.6943



58.3946, 70.5922, 98.5500



78.2375, 70.5922, 90.1962

Complementary

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



65.6372, 70.5922, 48.6943



48.1517, 48.2933, 82.3853

Split Complementary

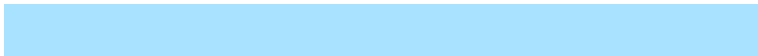
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.2933, 70.5922, 106.0061



65.6372, 70.5922, 48.6943



62.7820, 70.5922, 111.3057

Square

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



65.6372, 70.5922, 48.6943



56.3611, 70.5922, 81.1480



68.5758, 70.5922, 114.2189



79.1136, 70.5922, 72.7314

Rectangle

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



65.6372, 70.5922, 48.6943



57.9011, 70.5922, 60.4895



68.5758, 70.5922, 114.2189



77.2157, 70.5922, 95.9527

Sweetspot

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



65.6390, 70.5954, 48.6958



90.6504, 96.1805, 92.0815



56.0658, 49.5345, 51.4068



19.2346, 20.4374, 19.0754



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.



65.6390, 70.5954, 48.6958



79.9956, 86.2408, 53.4783



63.3677, 74.2387, 49.5187



15.3440, 16.3019, 15.2423



28.2697, 29.1136, 4.1295



2.1514, 2.2762, 0.3260

Inverse Universe

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



48.1517, 48.2933, 82.3853



54.7387, 54.0353, 102.1526



49.9738, 45.7151, 81.7916



13.8150, 14.3514, 18.1863



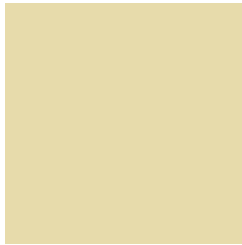
8.7076, 4.4772, 42.7884



0.7082, 0.4603, 3.1835

Previews

White Background



This preview shows how the XYZ color 65.6372, 70.5922, 48.6943 looks on a white background.

Color Contrast Check

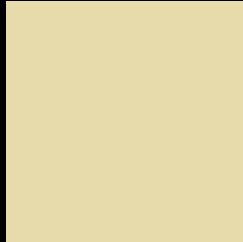
Large Text (above 18pt) WCAG AA × Fail

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 65.6372, 70.5922, 48.6943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

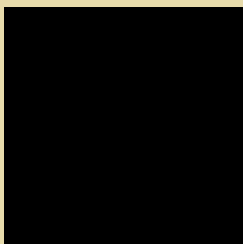
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

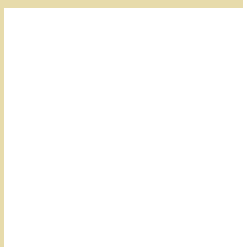
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.6372, 70.5922, 48.6943

Background



This preview shows how black text looks on a background with the XYZ color 65.6372, 70.5922, 48.6943.

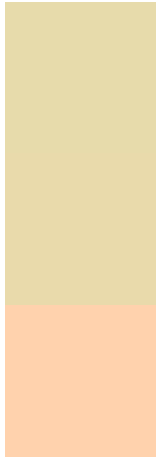


This preview shows how white text looks on a background with the XYZ color 65.6372, 70.5922,

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

65.6372, 70.5922, 48.6943

Protanopia

66.0264, 70.4067, 48.6380

Deuteranopia

71.8294, 70.3703, 49.3322



Tritanopia

72.5578, 70.3671, 83.1568

Trichromacy



Original Color

65.6372, 70.5922, 48.6943

Protanomaly

65.7008, 70.2389, 48.6227

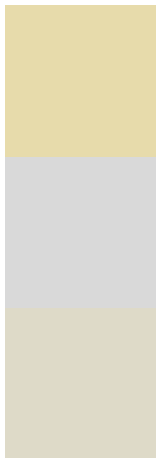
Deuteranomaly

69.2467, 70.1599, 48.9222

Tritanomaly

69.5700, 70.2603, 68.9263

Monochromacy



Original Color

65.6372, 70.5922, 48.6943

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.6209, 69.8425, 64.6659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6372, 70.5922, 48.6943 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(231, 219, 171)` looks like.

```
.text, #text, p{  
    color:rgb(231, 219, 171)  
}
```

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(231, 219, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 219, 171) }
```

Border

The CSS property to change the border of an element to XYZ 65.6372, 70.5922, 48.6943 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(231, 219, 171) }
```


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

```
.border{ border-color:rgb(231, 219, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 219, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 219, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 219, 171); box-shadow:4px 4px 4px 4px rgb(231, 219, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6372, 70.5922, 48.6943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 219, 171) }
```

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

```
.background{ background-color: rgb(231,  
219, 171) }
```

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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