

Converting Colors

XYZ(64.0950, 70.9647, 46.8643)

Have a look what the booklet for
XYZ(64.0950, 70.9647, 46.8643)
contains.

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Color

**XYZ(64.1477, 71.0401,
46.8904)**

Conversions

Conversions Part 1

Format	Color
Hex	E1DEA7
RGB	225, 222, 167
RGB Percent	88%, 87%, 65%
CMY	0.1176, 0.1294, 0.3451
CMYK	0.00, 0.01, 0.26, 0.12
HSL	57°, 49%, 77%
HSV	57°, 26%, 88%
XYZ	64.1477, 71.0401, 46.8904
YIQ	216.6270, 19.4430, -16.4690

Conversions

Conversions Part 2

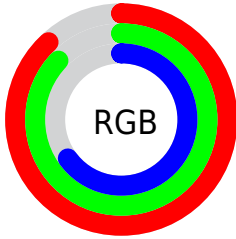
Format	Color
RYB	170, 225, 167
Decimal	14802599
CIELab	87.50, -7.56, 27.42
CIELCh	88, 28.446, 105.408
Yxy	71.0401, 0.3523, 0.3902
Android (android.graphics.Color)	4292992679 (0xFFE1DEA7)
YUV	216.6270, -24.4661, 7.3431
Hunter-Lab	84.2853, -11.6468, 26.0149

Details

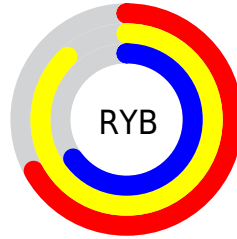
The XYZ color **64.1477, 71.0401, 46.8904** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.9016, 42.4003, 77.1048**, and the grayscale version is **65.8523, 69.2818, 75.4479**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **33.2754, 37.3103, 21.6675** is the 20% darker color. If you saturate the color by 10%, you get **61.9392, 69.6671, 36.7697**, and if you desaturate by 10%, it is **66.7239, 72.5685, 58.9208**.

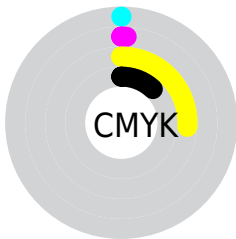
Distribution



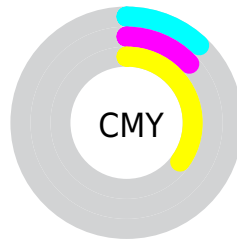
- Red (88%)
- Green (87%)
- Blue (65%)



- Red (67%)
- Yellow (88%)
- Blue (65%)



- Cyan (0%)
- Magenta (1%)
- Yellow (26%)
- Black (12%)



- Cyan (12%)
- Magenta (13%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1477, 71.0401, 46.8904 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 64.1477, 71.0401, 46.8904 by changing the saturation by 10% instead.

■ 64.1477, 71.0401,
46.8904

■ 64.1477, 71.0401,
46.8904

429.3166,
464.1936, 390.7580

■ 47.0324, 52.3749,
32.5953

■ 109.8962,
120.6908, 86.8983

■ 33.2694, 37.3040,
21.5480

■ 139.2601,
152.4452, 113.4481

■ 22.4931, 25.4430,
13.3300

173.4376,
189.3313, 144.9200

■ 14.3383, 16.4074,
7.5228

212.7941,
231.7337, 181.7323

■ 8.4396, 9.8129,
3.7078

257.6948,
280.0368, 224.3038

■ 4.4317, 5.2751,
1.4665

308.5053,

■ 1.9491, 2.4095,

334.6248, 273.0528

0.1927

365.5908,
395.8823, 328.3981

■ 0.6051, 0.8308,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.1477, 71.0401,
46.8904

■ 64.1477, 71.0401,
46.8904

■ 61.9392, 69.6671,
36.7697

■ 66.7239, 72.5685,
58.9208

■ 60.0743, 68.4324,
28.4555


■ 69.6797, 74.2497,
72.9479


■ 58.5342, 67.3311,
21.8417


■ 73.0333, 76.0935,
89.0590


■ 57.2964, 66.3541,
16.8093


■ 76.4758, 77.9762,
105.6279


 56.3354, 65.4911,
13.2240


 76.7940, 78.6127,
105.7340


 55.6215, 64.7304,
10.9293


 77.1144, 79.2534,
105.8408

 55.1179, 64.0572,
9.7321

 77.4369, 79.8985,
105.9483

 54.9420, 63.7886,
9.4167

 77.7616, 80.5478,
106.0565

 78.0884, 81.2015,
106.1655

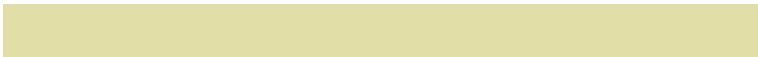
Harmonies

Analogous

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



70.8278, 71.0401, 46.7927



64.1477, 71.0401, 46.8904



58.7353, 71.0401, 54.1803

Triad

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



64.1477, 71.0401, 46.8904



58.8541, 71.0401, 106.7945



80.8074, 71.0401, 87.0483

Complementary

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



64.1477, 71.0401, 46.8904



43.9016, 42.4003, 77.1048

Split Complementary

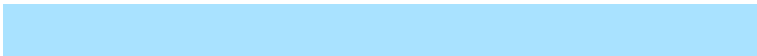
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1428, 71.0401, 106.3328



64.1477, 71.0401, 46.8904



64.3197, 71.0401, 118.9520

Square

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



64.1477, 71.0401, 46.8904



55.8200, 71.0401, 87.6005



71.0115, 71.0401, 118.7702



80.7537, 71.0401, 67.9331

Rectangle

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



64.1477, 71.0401, 46.8904



56.4453, 71.0401, 62.9563



71.0115, 71.0401, 118.7702



79.9594, 71.0401, 93.7870

Sweetspot

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



64.1495, 71.0433, 46.8919



91.6025, 98.0848, 92.3989



52.2088, 46.5811, 44.7018



19.4761, 20.9204, 19.1559



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.



64.1495, 71.0433, 46.8919



83.5431, 93.3358, 54.6608



57.6847, 68.9020, 46.8193



14.8080, 15.9019, 14.5957



31.6871, 36.8120, 5.4353



2.2152, 2.5893, 0.3830

Inverse Universe

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



43.9016, 42.4003, 77.1048



52.2709, 49.0997, 101.3300



49.1821, 44.2985, 77.1929



13.0086, 13.3562, 17.2801



7.9301, 3.3298, 41.2731



0.5700, 0.2714, 2.8676

Previews

White Background



This preview shows how the XYZ color 64.1477, 71.0401, 46.8904 looks on a white background.

Color Contrast Check

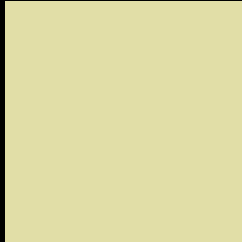
Large Text (above 18pt) WCAG AA × Fail

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 64.1477, 71.0401, 46.8904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

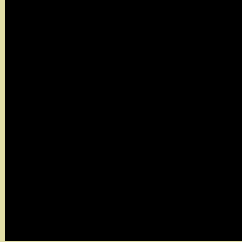
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

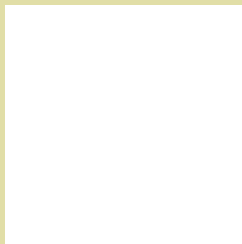
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1477, 71.0401, 46.8904

Background



This preview shows how black text looks on a background with the XYZ color 64.1477, 71.0401, 46.8904.



This preview shows how white text looks on a background with the XYZ color 64.1477, 71.0401,

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

64.1477, 71.0401, 46.8904

Protanopia

66.4754, 71.0784, 46.2923

Deuteranopia

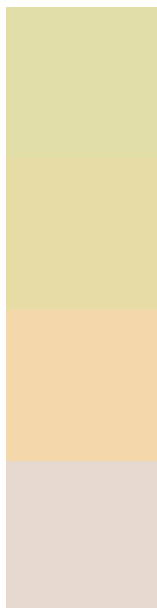
72.0771, 70.8657, 49.4147



Tritanopia

71.9338, 71.1299, 84.8010

Trichromacy



Original Color

64.1477, 71.0401, 46.8904

Protanomaly

65.4311, 70.9285, 46.3184

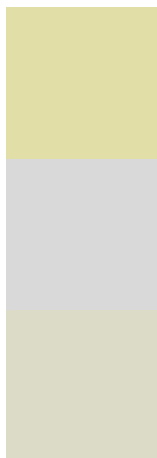
Deuteranomaly

68.9594, 70.7742, 48.5543

Tritanomaly

68.7085, 70.9537, 69.1056

Monochromacy



Original Color

64.1477, 71.0401, 46.8904

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.1555, 70.0022, 64.1105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1477, 71.0401, 46.8904 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(225, 222, 167)` looks like.

```
.text, #text, p{  
    color:rgb(225, 222, 167)  
}
```

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(225, 222, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 222, 167) }
```

Border

The CSS property to change the border of an element to XYZ 64.1477, 71.0401, 46.8904 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(225, 222, 167) }
```


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

```
.border{ border-color:rgb(225, 222, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 222, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 222, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 222, 167);  
box-shadow:4px 4px 4px 4px rgb(225, 222,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1477, 71.0401, 46.8904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 222, 167) }
```

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

```
.background{ background-color: rgb(225,  
222, 167) }
```

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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