

Converting Colors

XYZ(65.3861, 71.7810, 49.6818)

Have a look what the booklet for
XYZ(65.3861, 71.7810, 49.6818)
contains.

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Color

**XYZ(65.2462, 71.5520,
49.4018)**

Conversions

Conversions Part 1

Format	Color
Hex	E3DEAC
RGB	227, 222, 172
RGB Percent	89%, 87%, 67%
CMY	0.1098, 0.1294, 0.3255
CMYK	0.00, 0.02, 0.24, 0.11
HSL	55°, 50%, 78%
HSV	55°, 24%, 89%
XYZ	65.2462, 71.5520, 49.4018
YIQ	217.7950, 19.0300, -14.4900

Conversions

Conversions Part 2

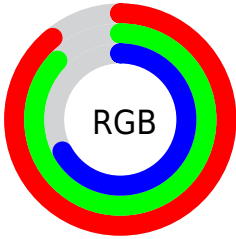
Format	Color
RYB	178, 227, 172
Decimal	14933676
CIELab	87.75, -6.14, 25.20
CIELCh	88, 25.938, 103.688
Yxy	71.5520, 0.3504, 0.3843
Android (android.graphics.Color)	4293123756 (0xFFE3DEAC)
YUV	217.7950, -22.5769, 8.0728
Hunter-Lab	84.5884, -10.3460, 24.5850

Details

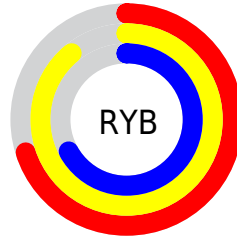
The XYZ color **65.2462, 71.5520, 49.4018** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.6003, 45.7598, 79.0497**, and the grayscale version is **66.6423, 70.1129, 76.3529**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **33.9431, 37.6273, 22.9266** is the 20% darker color. If you saturate the color by 10%, you get **62.7062, 69.6677, 38.7026**, and if you desaturate by 10%, it is **68.1690, 73.6051, 62.0676**.

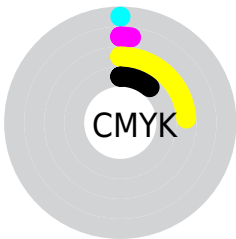
Distribution



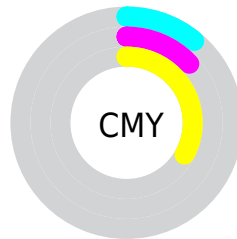
- Red (89%)
- Green (87%)
- Blue (67%)



- Red (70%)
- Yellow (89%)
- Blue (67%)



- Cyan (0%)
- Magenta (2%)
- Yellow (24%)
- Black (11%)



- Cyan (11%)
- Magenta (13%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2462, 71.5520, 49.4018 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 65.2462, 71.5520, 49.4018 by changing the saturation by 10% instead.

65.2462, 71.5520,
49.4018

65.2462, 71.5520,
49.4018

433.2074,
465.9808, 400.9898

47.9262, 52.7928,
34.5705

111.4675,
121.4194, 90.6751

33.9794, 37.6374,
23.0513

141.0995,
153.2963, 117.9541

23.0406, 25.7014,
14.4257

175.5661,
190.3147, 150.2195

14.7444, 16.6004,
8.2752

215.2329,
232.8588, 187.8897

8.7253, 9.9500,
4.1813

260.4650,
281.3130, 231.3833

4.6181, 5.3658,
1.7253

311.6279,

2.0574, 2.4635,

336.0619, 281.1188

0.3780

369.0869,
397.4896, 337.5148

■ 0.6659, 0.8582,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.2462, 71.5520,
49.4018

■ 65.2462, 71.5520,
49.4018

■ 62.7062, 69.6677,
38.7026

■ 68.1690, 73.6051,
62.0676

■ 60.5246, 67.9350,
29.8657

■ 71.4868, 75.8244,
76.7880

■ 58.6825, 66.3487,
22.7843

■ 75.2177, 78.2198,
93.6511

■ 57.1573, 64.8998,
17.3387

■ 78.0955, 80.2847,
105.9882

■ 55.9234, 63.5780,
13.3945

■ 78.6735, 81.4406,
106.1808

■ 54.9512, 62.3713,
10.7959

■ 79.2582, 82.6100,
106.3757

■ 54.2045, 61.2654,
9.3527

■ 79.8498, 83.7932,
106.5729

■ 53.8430, 60.6596,
8.8706

■ 80.4482, 84.9900,
106.7724

■ 81.0535, 86.2007,
106.9742

Harmonies

Analogous

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



71.3861, 71.5520, 49.6989



65.2462, 71.5520, 49.4018



60.1576, 71.5520, 55.8815

Triad

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



65.2462, 71.5520, 49.4018



59.8051, 71.5520, 103.7391



80.0088, 71.5520, 87.8196

Complementary

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



65.2462, 71.5520, 49.4018



46.6003, 45.7598, 79.0497

Split Complementary

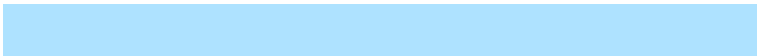
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5134, 71.5520, 105.0733



65.2462, 71.5520, 49.4018



64.7382, 71.5520, 115.1695

Square

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



65.2462, 71.5520, 49.4018



57.1466, 71.5520, 86.2055



70.8467, 71.5520, 115.6917



80.1653, 71.5520, 70.1607

Rectangle

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



65.2462, 71.5520, 49.4018



57.9427, 71.5520, 63.8307



70.8467, 71.5520, 115.6917



79.1763, 71.5520, 93.9162

Sweetspot

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



65.2481, 71.5552, 49.4033



91.7930, 97.8733, 94.2891



54.4175, 49.0311, 48.4535



19.5900, 20.9108, 19.9259



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.



65.2481, 71.5552, 49.4033



83.2405, 91.9081, 57.0958



60.0929, 70.8963, 49.5478



15.4838, 16.5816, 15.2889



31.4465, 35.4672, 5.1884



2.3567, 2.6867, 0.3944

Inverse Universe

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



46.6003, 45.7598, 79.0497



55.0510, 52.9162, 101.9201



50.8665, 46.5214, 78.9718



13.6876, 14.0965, 18.1438



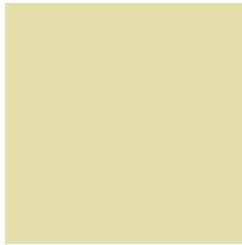
8.2746, 3.6113, 42.6441



0.6478, 0.3396, 3.1634

Previews

White Background



This preview shows how the XYZ color 65.2462, 71.5520, 49.4018 looks on a white background.

Color Contrast Check

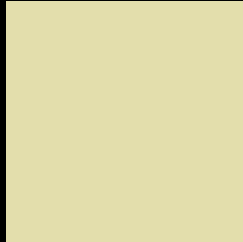
Large Text (above 18pt) WCAG AA × Fail

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 65.2462, 71.5520, 49.4018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

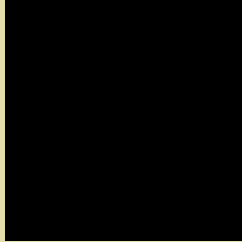
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

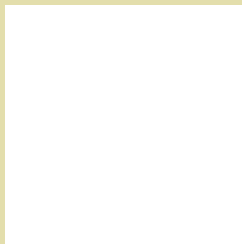
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.2462, 71.5520, 49.4018

Background



This preview shows how black text looks on a background with the XYZ color 65.2462, 71.5520, 49.4018.



This preview shows how white text looks on a background with the XYZ color 65.2462, 71.5520,

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

65.2462, 71.5520, 49.4018

Protanopia

67.2048, 71.7888, 48.8426

Deuteranopia

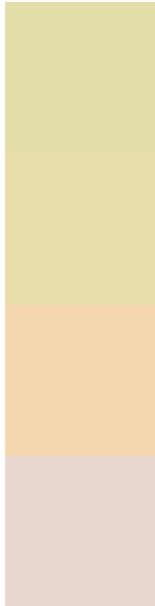
72.7193, 71.5213, 51.5672



Tritanopia

72.4021, 71.3551, 85.5582

Trichromacy



Original Color

65.2462, 71.5520, 49.4018

Protanomaly

66.4858, 71.8090, 48.8844

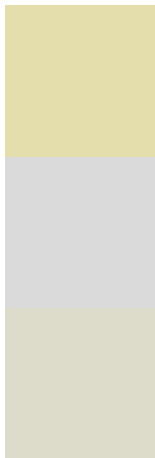
Deuteranomaly

69.9499, 71.6194, 50.6946

Tritanomaly

69.4007, 71.2678, 71.0710

Monochromacy



Original Color

65.2462, 71.5520, 49.4018

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.6929, 70.2522, 65.3560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2462, 71.5520, 49.4018 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(227, 222, 172)` looks like.

```
.text, #text, p{  
    color:rgb(227, 222, 172)  
}
```

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(227, 222, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 222, 172) }
```

Border

The CSS property to change the border of an element to XYZ 65.2462, 71.5520, 49.4018 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(227, 222, 172) }
```


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

```
.border{ border-color:rgb(227, 222, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 222, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 222, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 222, 172);  
box-shadow:4px 4px 4px 4px rgb(227, 222,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2462, 71.5520, 49.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 222, 172) }
```

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

```
.background{ background-color: rgb(227,  
222, 172) }
```

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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