

Converting Colors

XYZ(65.1763, 72.7966, 47.9706)

Have a look what the booklet for
XYZ(65.1763, 72.7966, 47.9706)
contains.

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Color

**XYZ(65.1380, 72.7226,
48.1398)**

Conversions

Conversions Part 1

Format	Color
Hex	E1E1A9
RGB	225, 225, 169
RGB Percent	88%, 88%, 66%
CMY	0.1176, 0.1176, 0.3372
CMYK	0.00, 0.00, 0.25, 0.12
HSL	60°, 48%, 77%
HSV	60°, 25%, 88%
XYZ	65.1380, 72.7226, 48.1398
YIQ	218.6160, 17.9760, -17.4160

Conversions

Conversions Part 2

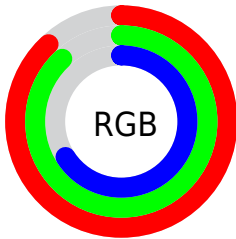
Format	Color
RYB	169, 225, 169
Decimal	14803369
CIELab	88.32, -8.81, 27.49
CIELCh	88, 28.868, 107.763
Yxy	72.7226, 0.3502, 0.3910
Android (android.graphics.Color)	4292993449 (0xFFE1E1A9)
YUV	218.6160, -24.4607, 5.5988
Hunter-Lab	85.2775, -12.8911, 26.2246

Details

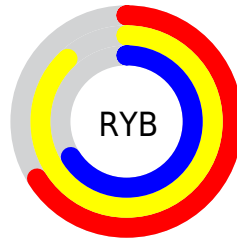
The XYZ color **65.1380, 72.7226, 48.1398** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.1435, 42.2491, 77.0666**, and the grayscale version is **67.2228, 70.7237, 77.0181**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **33.8893, 38.4454, 22.1575** is the 20% darker color. If you saturate the color by 10%, you get **63.2050, 71.9518, 37.9559**, and if you desaturate by 10%, it is **67.4383, 73.6453, 60.2413**.

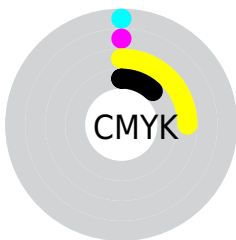
Distribution



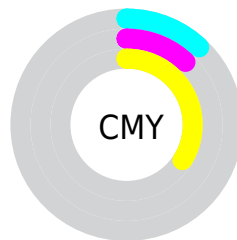
- Red (88%)
- Green (88%)
- Blue (66%)



- Red (66%)
- Yellow (88%)
- Blue (66%)



- Cyan (0%)
- Magenta (0%)
- Yellow (25%)
- Black (12%)



- Cyan (12%)
- Magenta (12%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1380, 72.7226, 48.1398 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 65.1380, 72.7226, 48.1398 by changing the saturation by 10% instead.

65.1380, 72.7226,
48.1398

65.1380, 72.7226,
48.1398

432.8251,
470.0528, 395.8707

47.8381, 53.7492,
33.5768

111.3128,
123.0833, 88.7802

33.9094, 38.4012,
22.2940

140.9185,
155.2394, 115.6948

22.9866, 26.2942,
13.8727

175.3568,
192.5585, 147.5636

14.7042, 17.0439,
7.8944

214.9930,
235.4250, 184.8052

8.6970, 10.2658,
3.9407

260.1927,
284.2233, 227.8382

4.5996, 5.5755,
1.5929

311.3210,

2.0466, 2.5887,

339.3377, 277.0811

0.2857

368.7433,
401.1528, 332.9524

■ 0.6600, 0.9210,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.1380, 72.7226,
48.1398

■ 65.1380, 72.7226,
48.1398

■ 63.2050, 71.9518,
37.9559

■ 67.4383, 73.6453,
60.2413

■ 61.6150, 71.3158,
29.5869

■ 70.1176, 74.7171,
74.3467

■ 60.3498, 70.8096,
22.9277

■ 73.1939, 75.9477,
90.5428

■ 59.3868, 70.4243,
17.8603

■ 76.0310, 77.0826,
105.4789

■ 58.7009, 70.1499,
14.2521

■ 76.0317, 77.0830,
105.4789

■ 58.2629, 69.9746,
11.9489

■ 76.0324, 77.0833,
105.4790

■ 58.0368, 69.8841,
10.7620

■ 76.0330, 77.0837,
105.4790

■ 57.9731, 69.8586,
10.4285

■ 76.0337, 77.0840,
105.4790

■ 76.0344, 77.0844,
105.4791

Harmonies

Analogous

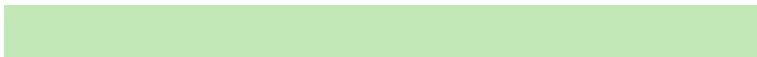
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9809, 72.7226, 47.4601



65.1380, 72.7226, 48.1398



59.7250, 72.7226, 56.2190

Triad

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



65.1380, 72.7226, 48.1398



60.5523, 72.7226, 110.8990



82.9648, 72.7226, 87.5417

Complementary

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



65.1380, 72.7226, 48.1398



44.1435, 42.2491, 77.0666

Split Complementary

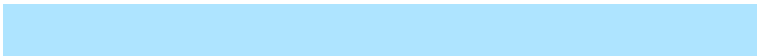
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4533, 72.7226, 107.6765



65.1380, 72.7226, 48.1398



66.3372, 72.7226, 122.5947

Square

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



65.1380, 72.7226, 48.1398



57.2016, 72.7226, 91.3938



73.2624, 72.7226, 121.3256



82.5901, 72.7226, 68.1105

Rectangle

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



65.1380, 72.7226, 48.1398



57.5154, 72.7226, 65.6124



73.2624, 72.7226, 121.3256



82.1905, 72.7226, 94.5055

Sweetspot

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



65.1399, 72.7259, 48.1413



92.3074, 98.9029, 94.4608



52.4031, 47.2498, 43.8953



19.7096, 21.1501, 19.9658



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.



65.1399, 72.7259, 48.1413



85.0834, 96.0131, 56.4312



57.1154, 68.5891, 47.7658



14.8717, 16.0295, 14.6170



33.4048, 40.2533, 6.0090



2.3155, 2.7902, 0.4165

Inverse Universe

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



44.1435, 42.2491, 77.0666



52.5468, 48.7853, 101.2547



50.8067, 45.6841, 77.3785



12.9522, 13.2434, 17.2613



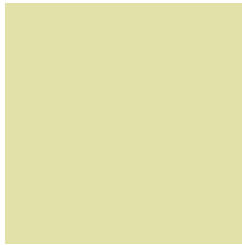
7.8317, 3.1327, 41.2403



0.5429, 0.2172, 2.8585

Previews

White Background



This preview shows how the XYZ color 65.1380, 72.7226, 48.1398 looks on a white background.

Color Contrast Check

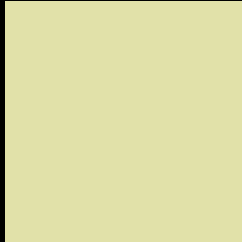
Large Text (above 18pt) WCAG AA × Fail

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 65.1380, 72.7226, 48.1398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

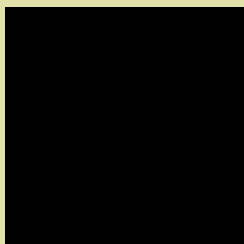
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

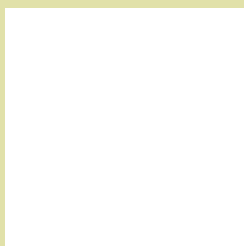
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.1380, 72.7226, 48.1398

Background



This preview shows how black text looks on a background with the XYZ color 65.1380, 72.7226, 48.1398.



This preview shows how white text looks on a background with the XYZ color 65.1380, 72.7226,

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

65.1380, 72.7226, 48.1398

Protanopia

67.7566, 72.5074, 46.9834

Deuteranopia

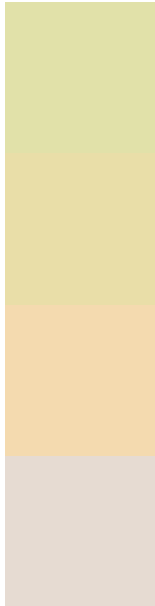
73.4233, 72.6078, 52.7927



Tritanopia

72.8681, 72.3186, 87.2091

Trichromacy



Original Color

65.1380, 72.7226, 48.1398

Protanomaly

66.7934, 72.3933, 47.4987

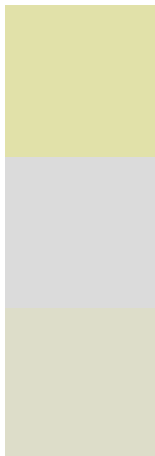
Deuteranomaly

70.1175, 72.4710, 50.8502

Tritanomaly

69.5975, 72.1392, 71.2288

Monochromacy



Original Color

65.1380, 72.7226, 48.1398

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.2179, 71.3021, 65.5310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1380, 72.7226, 48.1398 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, 225, 169)` looks like.

```
.text, #text, p{  
    color:rgb(225, 225, 169)  
}
```

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, 225, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 225, 169) }
```

Border

The CSS property to change the border of an element to XYZ 65.1380, 72.7226, 48.1398 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, 225, 169) }
```


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

```
.border{ border-color:rgb(225, 225, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 225, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 225, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 225, 169);  
box-shadow:4px 4px 4px 4px rgb(225, 225,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1380, 72.7226, 48.1398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 225, 169) }
```

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

```
.background{ background-color: rgb(225,  
225, 169) }
```

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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