

Converting Colors

XYZ(70.1035, 78.0878, 65.3504)

Have a look what the booklet for
XYZ(70.1035, 78.0878, 65.3504)
contains.

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Color

**XYZ(70.1882, 78.2486,
65.4370)**

Conversions

Conversions Part 1

Format	Color
Hex	E0E9C7
RGB	224, 233, 199
RGB Percent	88%, 91%, 78%
CMY	0.1216, 0.0863, 0.2196
CMYK	0.04, 0.00, 0.15, 0.09
HSL	76°, 44%, 85%
HSV	76°, 15%, 91%
XYZ	70.1882, 78.2486, 65.4370
YIQ	226.4330, 5.5500, -12.4820

Conversions

Conversions Part 2

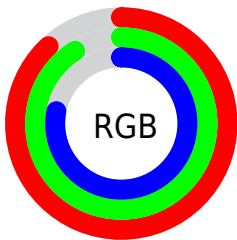
Format	Color
RYB	199, 233, 208
Decimal	14739911
CIELab	90.89, -8.81, 15.52
CIELCh	91, 17.846, 119.579
Yxy	78.2486, 0.3282, 0.3659
Android (android.graphics.Color)	4292929991 (0xFFE0E9C7)
YUV	226.4330, -13.5245, -2.1337
Hunter-Lab	88.4582, -13.1691, 18.0610

Details

The XYZ color **70.1882, 78.2486, 65.4370** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.1468, 60.1420, 85.4807**, and the grayscale version is **72.6960, 76.4819, 83.2888**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1952, 41.9236, 32.9197** is the 20% darker color. If you saturate the color by 10%, you get **65.8103, 76.2831, 52.1751**, and if you desaturate by 10%, it is **75.0540, 80.4224, 80.8873**.

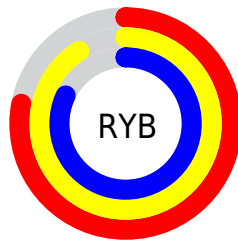
Distribution



Red (88%)

Green (91%)

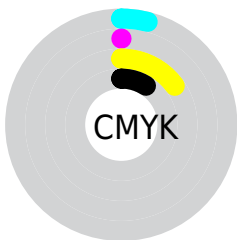
Blue (78%)



Red (78%)

Yellow (91%)

Blue (82%)

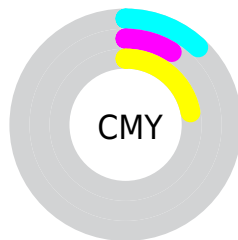


Cyan (4%)

Magenta (0%)

Yellow (15%)

Black (9%)



Cyan (12%)

Magenta (9%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1882, 78.2486, 65.4370 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 70.1882, 78.2486, 65.4370 by changing the saturation by 10% instead.

70.1882, 78.2486,
65.4370

70.1882, 78.2486,
65.4370

450.4666,
489.0107, 462.7098

51.9601, 58.2782,
47.3619

118.5019,
130.9005, 114.2972

37.1974, 42.0324,
32.9655

149.3183,
164.3508, 145.9194

25.5348, 29.1266,
21.8291

185.0614,
203.0632, 182.8943

16.6068, 19.1766,
13.5343

226.0967,
247.4222, 225.6406

10.0481, 11.7980,
7.6624

272.7895,
297.8120, 274.5768

5.4934, 6.6063,
3.7950

325.5052,

2.5772, 3.2171,

354.6171, 330.1213

1.5136

384.6091,
418.2218, 392.6928

■ 0.9344, 1.2461,
0.2280

■ 0.0000, 0.0989,
0.0000

■ 70.1882, 78.2486,
65.4370

■ 70.1882, 78.2486,
65.4370

■ 65.8103, 76.2831,
52.1751

■ 75.0540, 80.4224,
80.8873

■ 61.8945, 74.5078,
40.9974

■ 80.4197, 82.8018,
98.6134

■ 58.4220, 72.9176,
31.7992

■ 83.9843, 84.4688,
106.4854

■ 55.3699, 71.5034,
24.4643

■ 86.1440, 85.5822,
106.5865

■ 52.7132, 70.2550,
18.8649

■ 88.3760, 86.7329,
106.6909

■ 50.4237, 69.1611,
14.8565

■ 88.4305, 86.7609,
106.6935

■ 48.4689, 68.2085,
12.2719

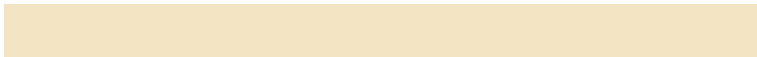
■ 46.8090, 67.3813,
10.9061

■ 46.0014, 66.9730,
10.5026

Harmonies

Analogous

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



74.4365, 78.2486, 62.7696



70.1882, 78.2486, 65.4370



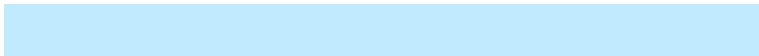
67.1670, 78.2486, 73.2718

Triad

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



70.1882, 78.2486, 65.4370



70.0824, 78.2486, 108.3733



83.3536, 78.2486, 85.3815

Complementary

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



70.1882, 78.2486, 65.4370



61.1468, 60.1420, 85.4807

Split Complementary

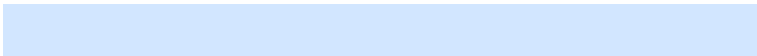
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.0767, 78.2486, 98.3559



70.1882, 78.2486, 65.4370



74.3094, 78.2486, 112.4220

Square

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



70.1882, 78.2486, 65.4370



67.1077, 78.2486, 98.0095



78.7208, 78.2486, 108.5870



82.1445, 78.2486, 73.5572

Rectangle

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



70.1882, 78.2486, 65.4370



66.1933, 78.2486, 80.8006



78.7208, 78.2486, 108.5870



83.2001, 78.2486, 89.7550

Sweetspot

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



70.1903, 78.2520, 65.4387



92.4642, 98.8517, 100.4331



66.3499, 66.3178, 63.3376



19.6894, 21.1131, 21.1669



0.0000, 0.0000, 0.0000



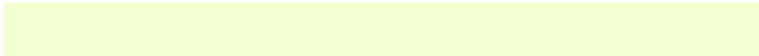
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.1903, 78.2520, 65.4387



84.1898, 95.1556, 74.3161



65.3223, 75.7425, 65.2109



15.9402, 17.4147, 16.0400



26.2238, 38.0633, 5.9648



2.1491, 3.0352, 0.4726

Inverse Universe

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



61.1468, 60.1420, 85.4807



70.7714, 68.2822, 104.0575



66.0297, 62.6592, 85.7092



14.6053, 14.7418, 18.9979



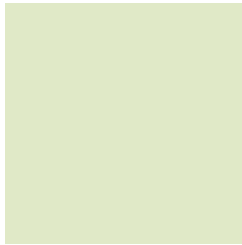
9.5619, 3.9653, 44.0044



0.8392, 0.3569, 3.4595

Previews

White Background



This preview shows how the XYZ color 70.1882, 78.2486, 65.4370 looks on a white background.

Color Contrast Check

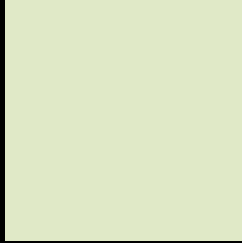
Large Text (above 18pt) WCAG AA × Fail

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 70.1882, 78.2486, 65.4370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

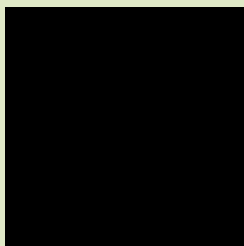
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

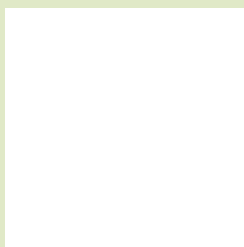
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1882, 78.2486, 65.4370

Background



This preview shows how black text looks on a background with the XYZ color 70.1882, 78.2486, 65.4370.

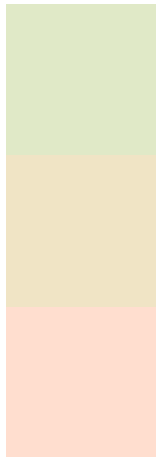


This preview shows how white text looks on a background with the XYZ color 70.1882, 78.2486,

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

70.1882, 78.2486, 65.4370

Protanopia

73.7566, 78.0433, 63.9998

Deuteranopia

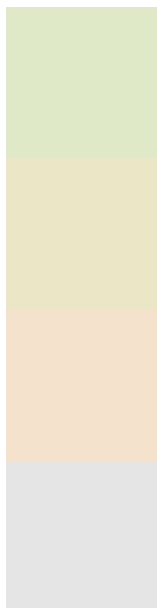
78.6238, 78.0075, 69.9445



Tritanopia

76.7532, 78.4587, 96.6867

Trichromacy



Original Color

70.1882, 78.2486, 65.4370

Protanomaly

72.4215, 78.1633, 64.6961

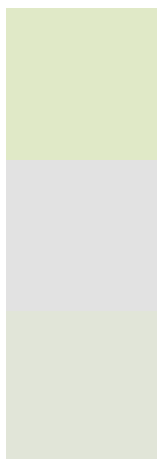
Deuteranomaly

75.4037, 77.9854, 68.2052

Tritanomaly

74.0178, 78.1340, 84.5790

Monochromacy



Original Color

70.1882, 78.2486, 65.4370

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.4653, 77.0040, 76.0624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1882, 78.2486, 65.4370 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(224, 233, 199)` looks like.

```
.text, #text, p{  
    color:rgb(224, 233, 199)  
}
```

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(224, 233, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 233, 199) }
```

Border

The CSS property to change the border of an element to XYZ 70.1882, 78.2486, 65.4370 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(224, 233, 199) }
```


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

```
.border{ border-color:rgb(224, 233, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 233, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 233, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 233, 199);  
box-shadow:4px 4px 4px 4px rgb(224, 233,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1882, 78.2486, 65.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 233, 199) }
```

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

```
.background{ background-color: rgb(224,  
233, 199) }
```

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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