

Converting Colors

XYZ(70.7830, 78.9767, 65.5462)

Have a look what the booklet for
XYZ(70.7830, 78.9767, 65.5462)
contains.

XYZ(70.7830, 78.9767, 65.5462)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.7830, 78.9767,
65.5462)**

Conversions

Conversions Part 1

Format	Color
Hex	E1EAC7
RGB	225, 234, 199
RGB Percent	88%, 92%, 78%
CMY	0.1176, 0.0823, 0.2196
CMYK	0.04, 0.00, 0.15, 0.08
HSL	75°, 45%, 85%
HSV	75°, 15%, 92%
XYZ	70.7830, 78.9767, 65.5462
YIQ	227.3190, 5.8710, -12.7930

Conversions

Conversions Part 2

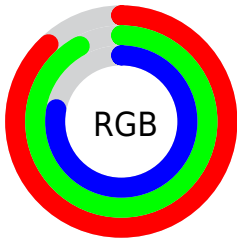
Format	Color
RYB	199, 234, 208
Decimal	14805703
CIELab	91.22, -8.96, 16.00
CIELCh	91, 18.335, 119.257
Yxy	78.9767, 0.3288, 0.3668
Android (android.graphics.Color)	4292995783 (0xFFE1EAC7)
YUV	227.3190, -13.9613, -2.0338
Hunter-Lab	88.8688, -13.3473, 18.4782

Details

The XYZ color **70.7830, 78.9767, 65.5462** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.2901, 60.1994, 86.2354**, and the grayscale version is **73.3431, 77.1627, 84.0302**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6088, 42.4312, 32.9959** is the 20% darker color. If you saturate the color by 10%, you get **66.4293, 77.0248, 52.2339**, and if you desaturate by 10%, it is **75.6249, 81.1367, 81.0655**.

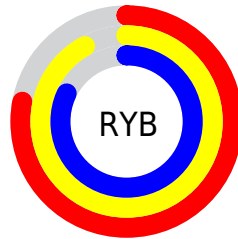
Distribution



Red (88%)

Green (92%)

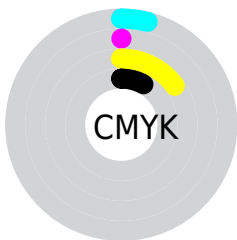
Blue (78%)



Red (78%)

Yellow (92%)

Blue (82%)

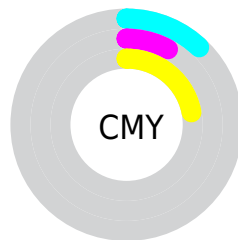


Cyan (4%)

Magenta (0%)

Yellow (15%)

Black (8%)



Cyan (12%)

Magenta (8%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7830, 78.9767, 65.5462 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 70.7830, 78.9767, 65.5462 by changing the saturation by 10% instead.

70.7830, 78.9767,
65.5462

70.7830, 78.9767,
65.5462

452.5181,
491.4775, 463.1120

52.4470, 58.8767,
47.4500

119.3449,
131.9261, 114.4555

37.5872, 42.5138,
33.0346

150.3015,
165.5442, 146.1057

25.8382, 29.5038,
21.8816

186.1957,
204.4371, 183.1110

16.8347, 19.4623,
13.5725

227.3929,
248.9892, 225.8898

10.2113, 12.0048,
7.6886

274.2584,
299.5849, 274.8608

5.6026, 6.7469,
3.8114

327.1575,

2.6433, 3.3044,

356.6086, 330.4425

1.5225

386.4556,
420.4447, 393.0534

0.9681, 1.2926,
0.2346

0.0000, 0.1355,
0.0000

70.7830, 78.9767,
65.5462

70.7830, 78.9767,
65.5462

66.4293, 77.0248,
52.2339

75.6249, 81.1367,
81.0655

62.5379, 75.2628,
41.0231

80.9673, 83.5020,
98.8804

59.0896, 73.6856,
31.8077

84.4573, 85.1342,
106.5889

56.0614, 72.2838,
24.4700

86.5697, 86.2232,
106.6878

■ 53.4280, 71.0472,
18.8800

■ 88.7144, 87.3288,
106.7881

■ 51.1608, 69.9643,
14.8913

■ 49.2268, 69.0219,
12.3336

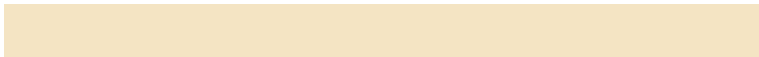
■ 47.5855, 68.2037,
10.9980

■ 46.8375, 67.8256,
10.6231

Harmonies

Analogous

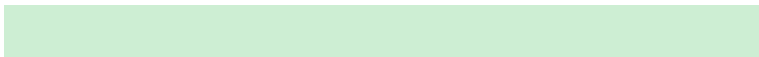
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.1809, 78.9767, 62.8622



70.7830, 78.9767, 65.5462



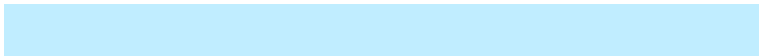
67.6456, 78.9767, 73.5650

Triad

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



70.7830, 78.9767, 65.5462



70.5901, 78.9767, 109.9096



84.3569, 78.9767, 86.3246

Complementary

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



70.7830, 78.9767, 65.5462



61.2901, 60.1994, 86.2354

Split Complementary

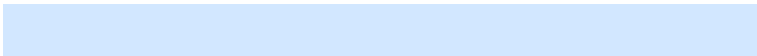
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0079, 78.9767, 99.7456



70.7830, 78.9767, 65.5462



74.9491, 78.9767, 114.1964

Square

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



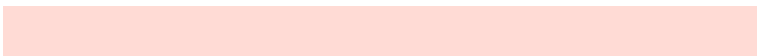
70.7830, 78.9767, 65.5462



67.5375, 78.9767, 99.1122



79.5163, 78.9767, 110.3010



83.1319, 78.9767, 74.0843

Rectangle

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



70.7830, 78.9767, 65.5462



66.6255, 78.9767, 81.3104



79.5163, 78.9767, 110.3010



84.1886, 78.9767, 90.8503

Sweetspot

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



70.7851, 78.9802, 65.5479



92.4921, 98.8661, 100.4344



66.7382, 66.6083, 63.3732



19.6965, 21.1168, 21.1672



0.0000, 0.0000, 0.0000



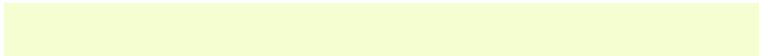
20.3446, 21.4041, 23.3091

Same Dimension

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



70.7851, 78.9802, 65.5479



84.3097, 95.2174, 74.3217



65.6764, 76.3465, 65.3088



15.9518, 17.4207, 16.0405



26.4416, 38.1756, 5.9750



2.1647, 3.0433, 0.4733

Inverse Universe

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



61.2901, 60.1994, 86.2354



70.6656, 68.2276, 104.0525



66.4067, 62.8371, 86.4749



14.5944, 14.7362, 18.9974



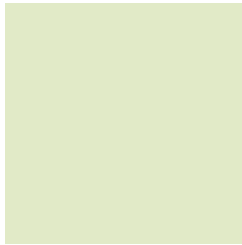
9.4984, 3.9325, 44.0014



0.8330, 0.3537, 3.4592

Previews

White Background



This preview shows how the XYZ color 70.7830, 78.9767, 65.5462 looks on a white background.

Color Contrast Check

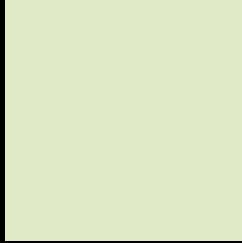
Large Text (above 18pt) WCAG AA × Fail

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 70.7830, 78.9767, 65.5462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

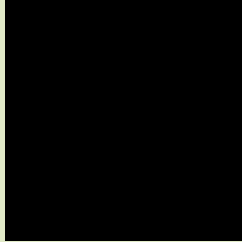
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

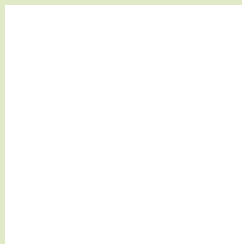
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7830, 78.9767, 65.5462

Background



This preview shows how black text looks on a background with the XYZ color 70.7830, 78.9767, 65.5462.



This preview shows how white text looks on a background with the XYZ color 70.7830, 78.9767,

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

70.7830, 78.9767, 65.5462

Protanopia

74.3730, 78.7706, 64.1077

Deuteranopia

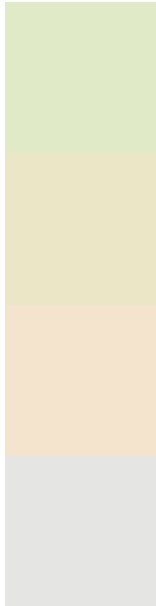
79.0128, 78.5894, 70.6794



Tritanopia

77.2292, 78.6865, 97.5038

Trichromacy



Original Color

70.7830, 78.9767, 65.5462

Protanomaly

73.0299, 78.8912, 64.8045

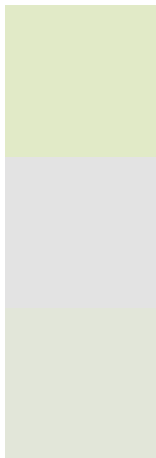
Deuteranomaly

75.7968, 78.5790, 68.9300

Tritanomaly

74.6135, 78.8531, 84.6864

Monochromacy



Original Color

70.7830, 78.9767, 65.5462

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.1852, 77.7721, 76.8526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7830, 78.9767, 65.5462 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, 234, 199)` looks like.

```
.text, #text, p{  
    color:rgb(225, 234, 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(225, 234, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 234, 199) }
```

Border

The CSS property to change the border of an element to XYZ 70.7830, 78.9767, 65.5462 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, 234, 199) }
```


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

```
.border{ border-color:rgb(225, 234, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 234, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 234, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 234, 199);  
box-shadow:4px 4px 4px 4px rgb(225, 234,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7830, 78.9767, 65.5462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 234, 199) }
```

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

```
.background{ background-color: rgb(225,  
234, 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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