

Converting Colors

XYZ(75.0267, 83.1709, 66.1899)

Have a look what the booklet for
XYZ(75.0267, 83.1709, 66.1899)
contains.

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Color

**XYZ(75.1070, 83.3490,
66.1622)**

Conversions

Conversions Part 1

Format	Color
Hex	EAEFC7
RGB	234, 239, 199
RGB Percent	92%, 94%, 78%
CMY	0.0823, 0.0627, 0.2196
CMYK	0.02, 0.00, 0.17, 0.06
HSL	68°, 56%, 86%
HSV	68°, 17%, 94%
XYZ	75.1070, 83.3490, 66.1622
YIQ	232.9450, 9.8600, -13.5000

Conversions

Conversions Part 2

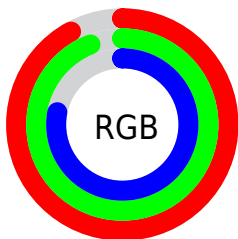
Format	Color
R _Y B	199, 239, 204
Decimal	15396807
CIE Lab	93.17, -8.29, 18.82
CIE LCh	93, 20.564, 113.774
Yxy	83.3490, 0.3344, 0.3711
Android (android.graphics.Color)	4293586887 (0xFFEAEFC7)
YUV	232.9450, -16.7349, 0.9252
Hunter-Lab	91.2957, -12.9193, 20.9394

Details

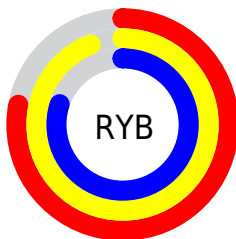
The XYZ color **75.1070, 83.3490, 66.1622** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.9085, 59.9184, 90.0212**, and the grayscale version is **77.5294, 81.5670, 88.8265**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4044, 45.3763, 33.4170** is the 20% darker color. If you saturate the color by 10%, you get **71.5744, 81.8263, 52.6313**, and if you desaturate by 10%, it is **79.0965, 85.0620, 81.9929**.

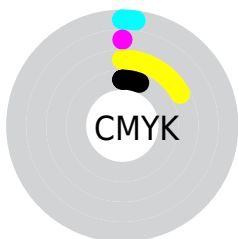
Distribution



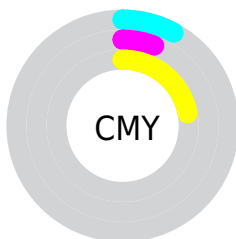
- Red (92%)
- Green (94%)
- Blue (78%)



- Red (78%)
- Yellow (94%)
- Blue (80%)



- Cyan (2%)
- Magenta (0%)
- Yellow (17%)
- Black (6%)



- Cyan (8%)
- Magenta (6%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1070, 83.3490, 66.1622 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 75.1070, 83.3490, 66.1622 by changing the saturation by 10% instead.

75.1070, 83.3490,
66.1622

75.1070, 83.3490,
66.1622

467.2768,
506.1489, 465.3768

55.9950, 62.4781,
47.9468

125.4509,
138.0642, 115.3483

40.4359, 45.4191,
33.4250

157.4136,
172.6772, 147.1561

28.0643, 31.7877,
22.1785

194.3905,
212.6398, 184.3317

18.5149, 21.1994,
13.7885

236.7471,
258.3362, 227.2938

11.4222, 13.2698,
7.8367

284.8486,
310.1510, 276.4608

6.4209, 7.6146,
3.9043

339.0605,

3.1458, 3.8494,

368.4684, 332.2512

1.5730

399.7481,
433.6729, 395.0837

■ 1.2313, 1.5897,
0.2715

■ 0.1309, 0.3506,
0.0000

■ 75.1070, 83.3490,
66.1622

■ 75.1070, 83.3490,
66.1622

■ 71.5744, 81.8263,
52.6313

■ 79.0965, 85.0620,
81.9929

■ 68.4717, 80.4746,
41.2880


■ 83.5553, 86.9618,
100.2179


■ 65.7792, 79.2890,
32.0187


■ 85.8707, 88.0062,
107.0688

■ 63.4728, 78.2596,
24.6976


■ 86.9111, 88.5425,
107.1175


 61.5259, 77.3760,
19.1850


 87.9683, 89.0875,
107.1669


 59.9085, 76.6260,
15.3229


 89.0425, 89.6413,
107.2172

 58.5852, 75.9955,
12.9259

 90.1338, 90.2039,
107.2683

 57.5114, 75.4666,
11.7592

 90.1583, 90.2165,
107.2694

 57.1917, 75.3067,
11.5213

Harmonies

Analogous

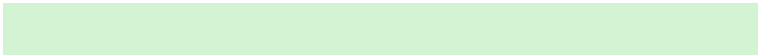
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3525, 83.3490, 64.2779



75.1070, 83.3490, 66.1622



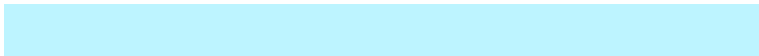
71.1340, 83.3490, 74.2845

Triad

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



75.1070, 83.3490, 66.1622



73.2398, 83.3490, 116.9257



90.0009, 83.3490, 94.0173

Complementary

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



75.1070, 83.3490, 66.1622



60.9085, 59.9184, 90.0212

Split Complementary

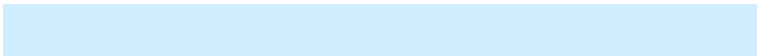
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.8982, 83.3490, 109.4914



75.1070, 83.3490, 66.1622



78.0996, 83.3490, 123.6513

Square

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



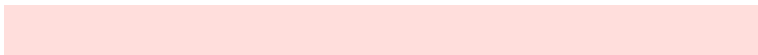
75.1070, 83.3490, 66.1622



70.0908, 83.3490, 103.2802



83.4820, 83.3490, 120.7871



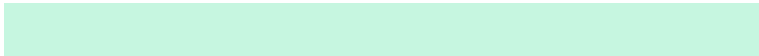
89.1110, 83.3490, 79.2819

Rectangle

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



75.1070, 83.3490, 66.1622



69.6607, 83.3490, 82.6922



83.4820, 83.3490, 120.7871



89.6177, 83.3490, 99.3211

Sweetspot

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



75.1092, 83.3527, 66.1640



92.4801, 98.9045, 98.4177



67.4219, 65.5039, 63.1240



19.7196, 21.1377, 20.7622



0.0000, 0.0000, 0.0000



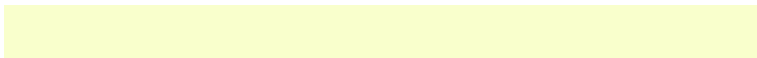
20.3446, 21.4041, 23.3091

Same Dimension

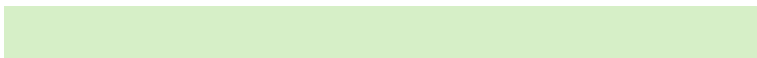
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1092, 83.3527, 66.1640



85.5903, 95.9494, 71.1357



69.0072, 80.2070, 65.8784



16.9169, 18.3529, 16.8006



31.6807, 41.6535, 6.3702



2.6896, 3.4930, 0.5325

Inverse Universe

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



60.9085, 59.9184, 90.0212



66.3298, 64.1634, 103.4966



66.6434, 62.8749, 90.2896



15.0810, 15.3235, 19.8845



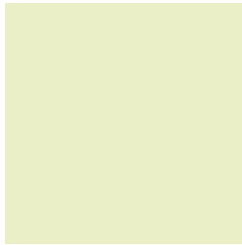
8.9625, 3.6258, 45.3553



0.8041, 0.3318, 3.7759

Previews

White Background



This preview shows how the XYZ color 75.1070, 83.3490, 66.1622 looks on a white background.

Color Contrast Check

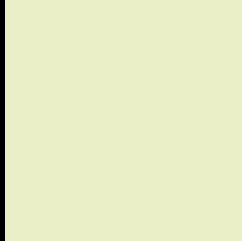
Large Text (above 18pt) WCAG AA × Fail

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 75.1070, 83.3490, 66.1622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

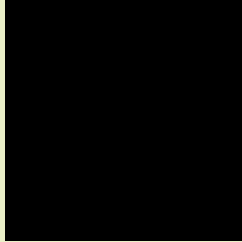
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

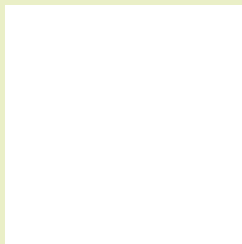
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.1070, 83.3490, 66.1622

Background



This preview shows how black text looks on a background with the XYZ color 75.1070, 83.3490, 66.1622.



This preview shows how white text looks on a background with the XYZ color 75.1070, 83.3490,

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

75.1070, 83.3490, 66.1622

Protanopia

78.4978, 83.4043, 64.7847

Deuteranopia

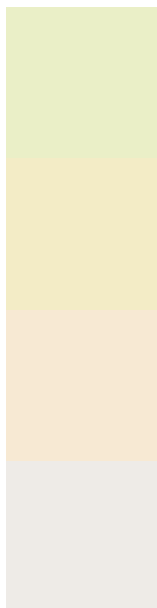
82.1917, 82.9156, 78.0020



Tritanopia

82.3876, 83.3161, 102.1818

Trichromacy



Original Color

75.1070, 83.3490, 66.1622

Protanomaly

77.1506, 83.1228, 65.4041

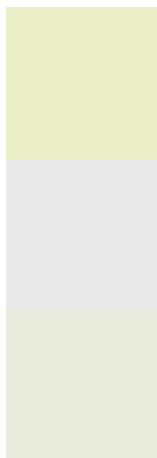
Deuteranomaly

79.2546, 82.7551, 73.4242

Tritanomaly

79.3920, 83.3633, 87.5076

Monochromacy



Original Color

75.1070, 83.3490, 66.1622

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.3637, 81.9608, 80.2018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.1070, 83.3490, 66.1622 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(234, 239, 199)` looks like.

```
.text, #text, p{  
    color:rgb(234, 239, 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(234, 239, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 239, 199) }
```

Border

The CSS property to change the border of an element to XYZ 75.1070, 83.3490, 66.1622 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(234, 239, 199) }
```


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

```
.border{ border-color:rgb(234, 239, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 239, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 239, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 239, 199);  
box-shadow:4px 4px 4px 4px rgb(234, 239,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 75.1070, 83.3490, 66.1622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 239, 199) }
```

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

```
.background{ background-color: rgb(234,  
239, 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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