

Converting Colors

XYZ(75.0649, 85.0029, 70.2085)

Have a look what the booklet for
XYZ(75.0649, 85.0029, 70.2085)
contains.

XYZ(75.0649, 85.0029, 70.2085)	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(75.0649, 85.0029,
70.2085)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F3CD
RGB	228, 243, 205
RGB Percent	89%, 95%, 80%
CMY	0.1059, 0.0470, 0.1961
CMYK	0.06, 0.00, 0.16, 0.05
HSL	84°, 61%, 88%
HSV	84°, 16%, 95%
XYZ	75.0649, 85.0029, 70.2085
YIQ	234.1830, 3.2580, -14.9980

Conversions

Conversions Part 2

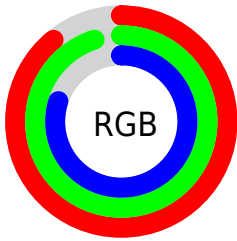
Format	Color
R _Y B	205, 243, 220
Decimal	15004621
CIE Lab	93.88, -11.47, 16.67
CIE LCh	94, 20.234, 124.526
Yxy	85.0029, 0.3260, 0.3691
Android (android.graphics.Color)	4293194701 (0xFFE4F3CD)
YUV	234.1830, -14.3872, -5.4225
Hunter-Lab	92.1970, -16.0138, 19.3883

Details

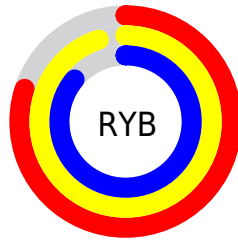
The XYZ color **75.0649, 85.0029, 70.2085** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.5276, 65.3517, 93.8536**, and the grayscale version is **78.4511, 82.5367, 89.8824**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3695, 46.5457, 36.1347** is the 20% darker color. If you saturate the color by 10%, you get **69.3973, 82.3967, 55.8021**, and if you desaturate by 10%, it is **81.3616, 87.8858, 87.0259**.

Distribution



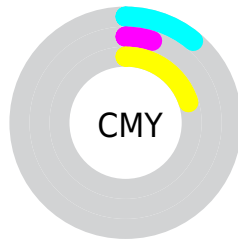
- Red (89%)
- Green (95%)
- Blue (80%)



- Red (80%)
- Yellow (95%)
- Blue (86%)



- Cyan (6%)
- Magenta (0%)
- Yellow (16%)
- Black (5%)



- Cyan (11%)
- Magenta (5%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0649, 85.0029, 70.2085 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 75.0649, 85.0029, 70.2085 by changing the saturation by 10% instead.

75.0649, 85.0029,
70.2085

75.0649, 85.0029,
70.2085

467.1344,
511.6377, 480.0906

55.9604, 63.8438,
51.2187

125.3916,
140.3772, 121.1899

40.4081, 46.5242,
36.0047

157.3446,
175.3612, 154.0186

28.0425, 32.6596,
24.1481

194.3111,
215.7223, 192.2974

18.4983, 21.8658,
15.2303

236.6566,
261.8448, 236.4447

11.4102, 13.7584,
8.8328

284.7462,
314.1133, 286.8792

6.4128, 7.9528,
4.5369

338.9455,

3.1407, 4.0648,

372.9119, 344.0193

1.9243

399.6198,
438.6253, 408.2836

■ 1.2286, 1.7099,
0.5081

■ 0.1288, 0.4300,
0.0000

■ 75.0649, 85.0029,
70.2085

■ 75.0649, 85.0029,
70.2085

■ 69.3973, 82.3967,
55.8021

■ 81.3616, 87.8858,
87.0259

■ 64.3284, 80.0464,
43.6908

■ 88.3030, 91.0436,
106.3522

■ 59.8350, 77.9452,
33.7571

■ 91.3423, 92.5846,
107.6641

■ 55.8896, 76.0817,
25.8711

■ 52.4620, 74.4436,
19.8890

■ 49.5184, 73.0169,
15.6485

■ 47.0198, 71.7857,
12.9600

■ 44.9184, 70.7306,
11.5895

■ 44.0958, 70.3133,
11.2477

Harmonies

Analogous

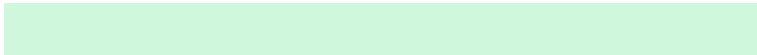
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9784, 85.0029, 66.0270



75.0649, 85.0029, 70.2085



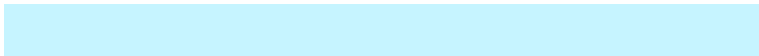
71.8006, 85.0029, 80.3758

Triad

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



75.0649, 85.0029, 70.2085



76.4204, 85.0029, 121.9899



91.5609, 85.0029, 90.2335

Complementary

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



75.0649, 85.0029, 70.2085



67.5276, 65.3517, 93.8536

Split Complementary

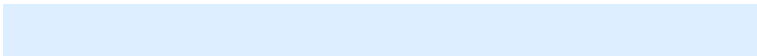
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5058, 85.0029, 105.9035



75.0649, 85.0029, 70.2085



81.6125, 85.0029, 125.3755

Square

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



75.0649, 85.0029, 70.2085



72.5585, 85.0029, 110.3994



86.8047, 85.0029, 119.1986



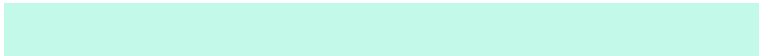
89.6274, 85.0029, 76.7429

Rectangle

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



75.0649, 85.0029, 70.2085



70.9174, 85.0029, 89.7533



86.8047, 85.0029, 119.1986



91.5447, 85.0029, 95.4118

Sweetspot

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



75.0672, 85.0066, 70.2103



91.2367, 98.2635, 98.3595



73.4643, 74.4246, 68.2523



19.4168, 20.9816, 20.7481



0.0000, 0.0000, 0.0000



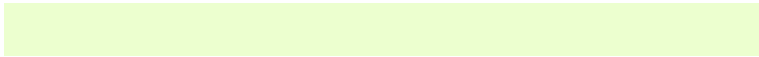
20.3446, 21.4041, 23.3091

Same Dimension

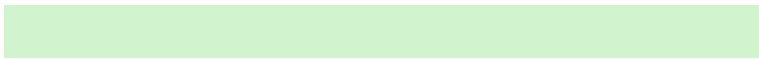
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0672, 85.0066, 70.2103



81.5167, 93.8138, 72.5549



69.4900, 82.1314, 69.9493



17.2445, 18.9681, 17.5499



24.3560, 38.6688, 6.1801



2.2560, 3.4581, 0.5486

Inverse Universe

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



67.5276, 65.3517, 93.8536



71.5175, 67.7449, 103.9144



73.4626, 68.4113, 94.1313



16.2002, 16.2458, 20.8245



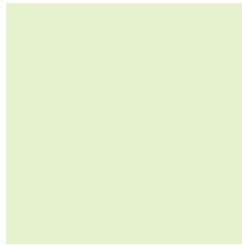
11.6643, 4.9875, 46.8859



1.1373, 0.4962, 4.1261

Previews

White Background



This preview shows how the XYZ color 75.0649, 85.0029, 70.2085 looks on a white background.

Color Contrast Check

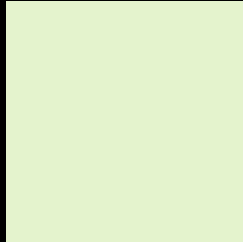
Large Text (above 18pt) WCAG AA × Fail

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 75.0649, 85.0029, 70.2085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

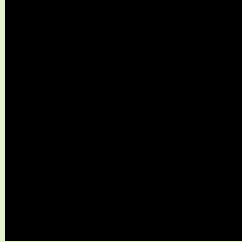
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

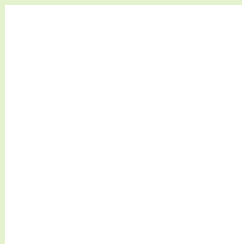
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.0649, 85.0029, 70.2085

Background



This preview shows how black text looks on a background with the XYZ color 75.0649, 85.0029, 70.2085.

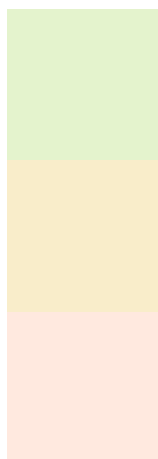


This preview shows how white text looks on a background with the XYZ color 75.0649, 85.0029,

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

75.0649, 85.0029, 70.2085

Protanopia

80.0118, 84.9724, 68.0614

Deuteranopia

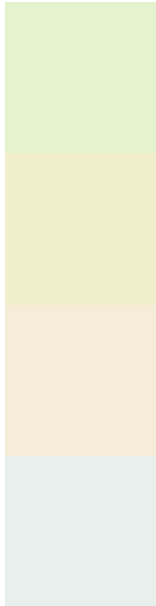
83.6982, 84.8655, 81.7814



Tritanopia

82.3064, 84.8731, 106.6519

Trichromacy



Original Color

75.0649, 85.0029, 70.2085

Protanomaly

77.9216, 84.7456, 68.7505

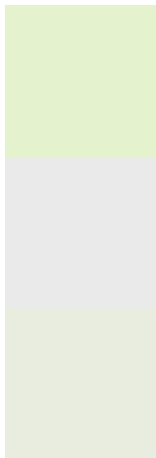
Deuteranomaly

80.3350, 84.9387, 77.1264

Tritanomaly

79.4313, 85.0032, 92.3416

Monochromacy



Original Color

75.0649, 85.0029, 70.2085

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

76.8822, 83.0519, 81.7905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0649, 85.0029, 70.2085 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(228, 243, 205) looks like.

```
.text, #text, p{  
    color:rgb(228, 243, 205)  
}
```

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(228, 243, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 243, 205) }
```

Border

The CSS property to change the border of an element to XYZ 75.0649, 85.0029, 70.2085 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(228, 243, 205) }
```


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

```
.border{ border-color:rgb(228, 243, 205) }
```

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

Here you see how a box with a 4 pixel rgb(228, 243, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 243, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 243, 205);  
box-shadow:4px 4px 4px 4px rgb(228, 243,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0649, 85.0029, 70.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 243, 205) }
```

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

```
.background{ background-color: rgb(228,  
243, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor