

# Converting Colors

XYZ(71.1127, 79.5743, 59.2035)

Have a look what the booklet for  
XYZ(71.1127, 79.5743, 59.2035)  
contains.

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# Color

**XYZ(71.0985, 79.7055,  
59.2144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5EBBC
RGB	229, 235, 188
RGB Percent	90%, 92%, 74%
CMY	0.1020, 0.0784, 0.2627
CMYK	0.03, 0.00, 0.20, 0.08
HSL	68°, 54%, 83%
HSV	68°, 20%, 92%
XYZ	71.0985, 79.7055, 59.2144
YIQ	227.8480, 11.5110, -15.8890

# Conversions

## Conversions Part 2

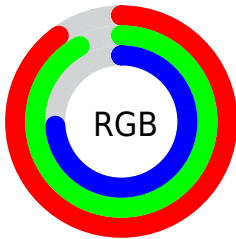
Format	Color
R <sub>Y</sub> B	188, 235, 194
Decimal	15068092
CIE Lab	91.55, -9.71, 22.19
CIE LCh	92, 24.216, 113.628
Yxy	79.7055, 0.3385, 0.3795
Android (android.graphics.Color)	4293258172 (0xFFE5EBBC)
YUV	227.8480, -19.6451, 1.0103
Hunter-Lab	89.2779, -14.0839, 23.1699

# Details

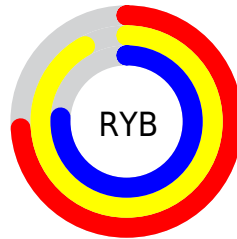
The XYZ color **71.0985, 79.7055, 59.2144** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.2299, 53.4361, 86.0049**, and the grayscale version is **73.7666, 77.6082, 84.5154**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **37.7269, 42.8737, 29.2087** is the 20% darker color. If you saturate the color by 10%, you get **67.8197, 78.2869, 46.8963**, and if you desaturate by 10%, it is **74.8107, 81.3047, 73.7094**.

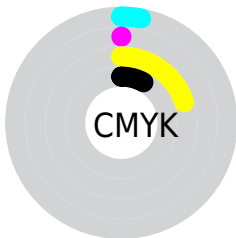
# Distribution



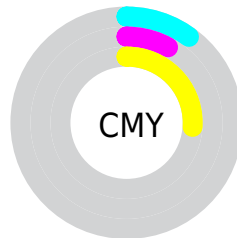
- Red (90%)
- Green (92%)
- Blue (74%)



- Red (74%)
- Yellow (92%)
- Blue (76%)



- Cyan (3%)
- Magenta (0%)
- Yellow (20%)
- Black (8%)



- Cyan (10%)
- Magenta (8%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0985, 79.7055, 59.2144 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 71.0985, 79.7055, 59.2144 by changing the saturation by 10% instead.



71.0985, 79.7055,  
59.2144

71.0985, 79.7055,  
59.2144

453.6042,  
493.9398, 439.4200

52.7054, 59.4760,  
42.3646

119.7917,  
132.9516, 105.2214

37.7942, 42.9964,  
29.0592

150.8226,  
166.7370, 135.2157

25.9995, 29.8823,  
18.8796

186.7967,  
205.8099, 170.4285

16.9559, 19.7493,  
11.4074

228.0795,  
250.5546, 211.2784

10.2982, 12.2129,  
6.2240

275.0362,  
301.3556, 258.1840

5.6609, 6.8889,  
2.9107

328.0324,

2.6787, 3.3927,

358.5972, 311.5637

1.0492

387.4332,  
422.6638, 371.8362

■ 0.9862, 1.3400,  
0.0000

■ 0.0000, 0.1719,  
0.0000

■ 71.0985, 79.7055,  
59.2144

■ 71.0985, 79.7055,  
59.2144

■ 67.8197, 78.2869,  
46.8963

■ 74.8107, 81.3047,  
73.7094

■ 64.9479, 77.0304,  
36.6449

■ 78.9686, 83.0814,  
90.4739

■ 62.4635, 75.9307,  
28.3482

■ 83.0226, 84.8185,  
106.6036

■ 60.3429, 74.9784,  
21.8815

■ 84.0392, 85.3426,  
106.6512

■ 58.5594, 74.1629,  
17.1058

■ 85.0727, 85.8754,  
106.6995

■ 57.0829, 73.4720,  
13.8621

■ 86.1232, 86.4169,  
106.7487

■ 55.8774, 72.8913,  
11.9614

■ 87.1907, 86.9673,  
106.7987

■ 54.8816, 72.3964,  
11.0813

■ 88.2754, 87.5264,  
106.8494

■ 89.0000, 87.9000,  
106.8833

# Harmonies

## Analogous

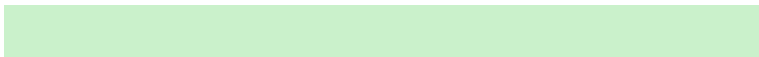
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0829, 79.7055, 57.1916



71.0985, 79.7055, 59.2144



66.5952, 79.7055, 68.1441

# Triad

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



71.0985, 79.7055, 59.2144



68.9333, 79.7055, 117.1411



88.1791, 79.7055, 90.6142

# Complementary

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



71.0985, 79.7055, 59.2144



55.2299, 53.4361, 86.0049

# Split Complementary

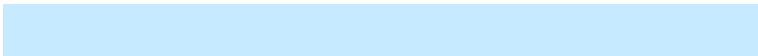
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.7243, 79.7055, 108.5503



71.0985, 79.7055, 59.2144



74.4477, 79.7055, 125.1504

# Square

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



71.0985, 79.7055, 59.2144



65.3934, 79.7055, 101.1383



80.6161, 79.7055, 121.8106



87.1630, 79.7055, 73.8597

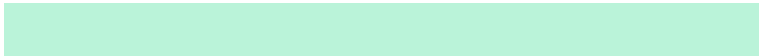


# Rectangle

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



71.0985, 79.7055, 59.2144



64.9287, 79.7055, 77.5505



80.6161, 79.7055, 121.8106



87.7284, 79.7055, 96.7266

# Sweetspot

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



71.1006, 79.7090, 59.2161



91.9681, 98.6846, 96.4054



62.5177, 59.6492, 55.7965



19.6157, 21.0930, 20.3567



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

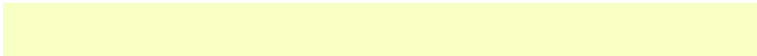


# Same Dimension

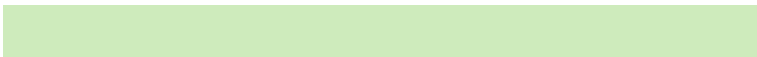
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.1006, 79.7090, 59.2161



83.8968, 95.2131, 64.8774



64.2465, 76.1756, 58.8953



16.1516, 17.5237, 16.0499



30.6186, 40.3290, 6.1705



2.4572, 3.1941, 0.4870



# Inverse Universe

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



55.2299, 53.4361, 86.0049



61.5514, 58.2181, 102.6008



61.5915, 56.7157, 86.3027



14.4100, 14.6411, 18.9888



8.7020, 3.5220, 43.9641

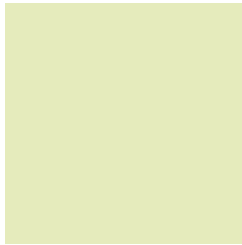


0.7410, 0.3063, 3.4549



# Previews

## White Background



This preview shows how the XYZ color 71.0985, 79.7055, 59.2144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

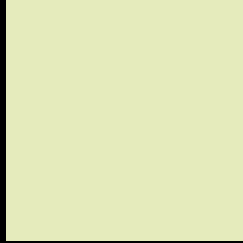
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0985, 79.7055, 59.2144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

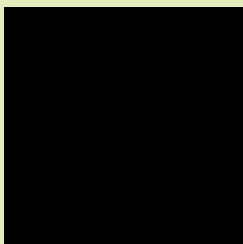
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

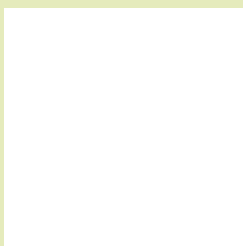
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.0985, 79.7055, 59.2144**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.0985, 79.7055, 59.2144.



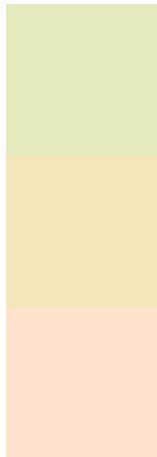
This preview shows how white text looks on a background with the XYZ color 71.0985, 79.7055,



# 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

71.0985, 79.7055, 59.2144

### Protanopia

74.8159, 79.5513, 57.8661

### Deuteranopia

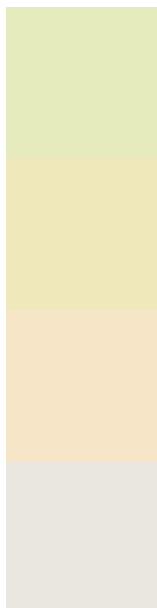
79.3058, 79.5667, 69.5706



## Tritanopia

78.8756, 79.5353, 97.5809

# Trichromacy



## Original Color

71.0985, 79.7055, 59.2144

## Protanomaly

73.4229, 79.6518, 58.5182

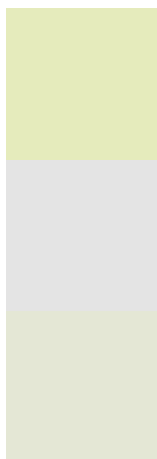
## Deuteranomaly

76.3342, 79.7550, 65.4038

## Tritanomaly

75.6830, 79.4679, 81.8709

# Monochromacy



## Original Color

71.0985, 79.7055, 59.2144

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

72.5811, 78.4499, 74.2677

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0985, 79.7055, 59.2144 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(229, 235, 188)` looks like.

```
.text, #text, p{  
    color:rgb(229, 235, 188)  
}
```

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(229, 235, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 235, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0985, 79.7055, 59.2144 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(229, 235, 188) }
```



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

```
.border{ border-color:rgb(229, 235, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 235, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 235, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 235, 188); box-shadow:4px 4px 4px 4px rgb(229, 235, 188) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0985, 79.7055, 59.2144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 235, 188) }
```

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

```
.background{ background-color: rgb(229,  
235, 188) }
```

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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