

# Converting Colors

XYZ(74.7792, 84.9537, 57.8045)

Have a look what the booklet for  
XYZ(74.7792, 84.9537, 57.8045)  
contains.

**XYZ(74.9633, 85.2240, 57.8463) ..... 3**  
    ***Conversions* ..... 4**  
    ***Details* ..... 6**  
    ***Harmonies* ..... 12**  
    ***Previews* ..... 24**  
    ***Color Blindness Simulation* ..... 28**  
    ***CSS Examples* ..... 31**

# Color

**XYZ(74.9633, 85.2240,  
57.8463)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF3B8
RGB	235, 243, 184
RGB Percent	92%, 95%, 72%
CMY	0.0784, 0.0470, 0.2784
CMYK	0.03, 0.00, 0.24, 0.05
HSL	68°, 71%, 84%
HSV	68°, 24%, 95%
XYZ	74.9633, 85.2240, 57.8463
YIQ	233.8820, 14.1710, -20.0450

# Conversions

## Conversions Part 2

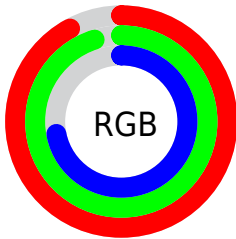
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 243, 192
Decimal	15463352
CIELab	93.98, -12.09, 27.64
CIELCh	94, 30.165, 113.622
Yxy	85.2240, 0.3438, 0.3909
Android (android.graphics.Color)	4293653432 (0xFFEBF3B8)
YUV	233.8820, -24.5918, 0.9805
Hunter-Lab	92.3168, -16.6086, 27.4703

# Details

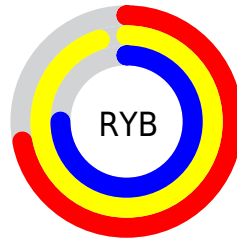
The XYZ color **74.9633, 85.2240, 57.8463** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.0596, 51.9607, 91.9262**, and the grayscale version is **78.2920, 82.3693, 89.7002**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **40.4575, 46.7630, 28.3666** is the 20% darker color. If you saturate the color by 10%, you get **71.5541, 83.7386, 45.5129**, and if you desaturate by 10%, it is **78.8347, 86.9024, 72.4888**.

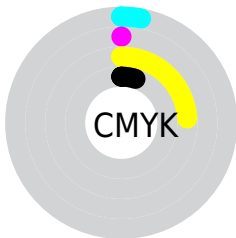
# Distribution



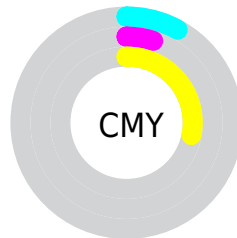
- Red (92%)
- Green (95%)
- Blue (72%)



- Red (72%)
- Yellow (95%)
- Blue (75%)



- Cyan (3%)
- Magenta (0%)
- Yellow (24%)
- Black (5%)



- Cyan (8%)
- Magenta (5%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9633, 85.2240, 57.8463 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 74.9633, 85.2240, 57.8463 by changing the saturation by 10% instead.



■ 74.9633, 85.2240,  
57.8463

■ 74.9633, 85.2240,  
57.8463

466.7905,  
512.3690, 434.1952

■ 55.8769, 64.0265,  
41.2712

■ 125.2486,  
140.6861, 103.2116

■ 40.3408, 46.6721,  
28.2098

157.1782,  
175.7195, 132.8388

■ 27.9898, 32.7765,  
18.2434

194.1196,  
216.1336, 167.6539

■ 18.4584, 21.9553,  
10.9537

236.4381,  
262.3128, 208.0753

■ 11.3813, 13.8241,  
5.9219

284.4991,  
314.6416, 254.5216

■ 6.3931, 7.9984,  
2.7296

338.6679,

■ 3.1284, 4.0939,

373.5043, 307.4113

0.9583

399.3100,  
439.2853, 367.1630

■ 1.2220, 1.7262,  
0.0000

■ 0.1237, 0.4406,  
0.0000

■ 74.9633, 85.2240,  
57.8463

■ 74.9633, 85.2240,  
57.8463

■ 71.5541, 83.7386,  
45.5129

■ 78.8347, 86.9024,  
72.4888

■ 68.5780, 82.4259,  
35.3653

■ 83.1827, 88.7708,  
89.5444

■ 66.0128, 81.2799,  
27.2773

■ 87.7207, 90.7177,  
107.4946

■ 63.8315, 80.2897,  
21.1072

■ 88.8806, 91.3156,  
107.5489

■ 62.0037, 79.4431,  
16.6957

■ 90.0611, 91.9242,  
107.6042

■ 60.4942, 78.7262,  
13.8579

■ 91.2623, 92.5434,  
107.6604

■ 59.2599, 78.1216,  
12.3675

■ 91.3424, 92.5847,  
107.6641

■ 58.6412, 77.8117,  
11.9285

# Harmonies

## Analogous

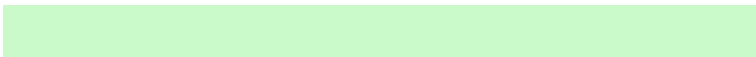
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7327, 85.2240, 55.3744



74.9633, 85.2240, 57.8463



69.1800, 85.2240, 68.9288

# Triad

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



74.9633, 85.2240, 57.8463



72.1733, 85.2240, 133.2115



97.3627, 85.2240, 97.8012

# Complementary

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



74.9633, 85.2240, 57.8463



55.0596, 51.9607, 91.9262

# Split Complementary

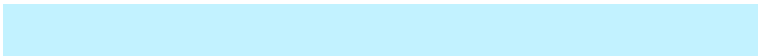
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.1014, 85.2240, 121.6165



74.9633, 85.2240, 57.8463



79.2973, 85.2240, 144.1305

# Square

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



74.9633, 85.2240, 57.8463



67.6453, 85.2240, 111.6951



87.3584, 85.2240, 139.5702



96.0124, 85.2240, 76.1561

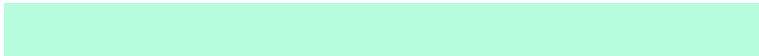


# Rectangle

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



74.9633, 85.2240, 57.8463



67.0544, 85.2240, 80.8591



87.3584, 85.2240, 139.5702



96.7628, 85.2240, 105.8500

# Sweetspot

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



74.9655, 85.2278, 57.8481



91.4226, 98.4468, 94.4194



64.4371, 60.1584, 53.5642



19.5040, 21.0441, 19.9562



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

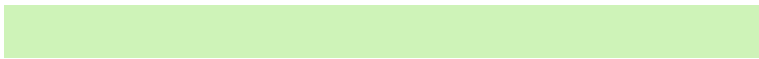
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9655, 85.2278, 57.8481



81.7503, 94.2648, 57.6292



66.0572, 80.6354, 57.4312



17.6806, 19.1929, 17.5703



32.2672, 42.7472, 6.5504



2.8958, 3.7879, 0.5785



# Inverse Universe

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



55.0596, 51.9607, 91.9262



56.0908, 51.3752, 101.5678



63.2514, 56.1838, 92.3095



15.7902, 16.0345, 20.8053



9.2861, 3.7615, 46.7746

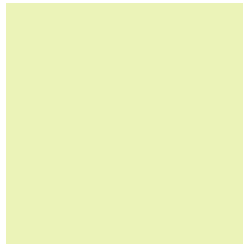


0.8800, 0.3635, 4.1140



# Previews

## White Background



This preview shows how the XYZ color 74.9633, 85.2240, 57.8463 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

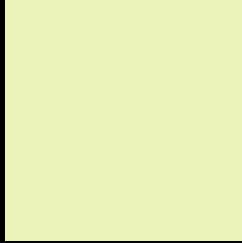
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9633, 85.2240, 57.8463 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

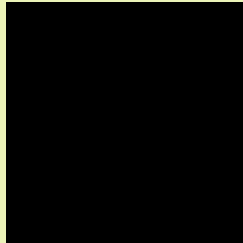
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

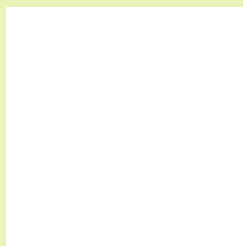
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.9633, 85.2240, 57.8463**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9633, 85.2240, 57.8463.



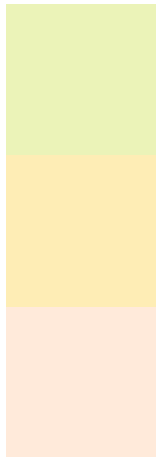
This preview shows how white text looks on a background with the XYZ color 74.9633, 85.2240,



# 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

74.9633, 85.2240, 57.8463

### Protanopia

79.4977, 84.9754, 55.9280

### Deuteranopia

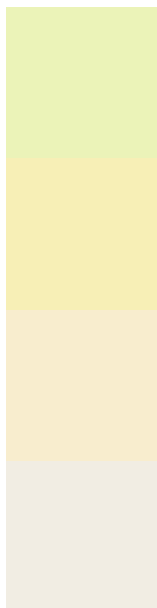
83.3177, 85.1676, 78.3773



## **Tritanopia**

84.3017, 85.1070, 104.0796

# Trichromacy



## Original Color

74.9633, 85.2240, 57.8463

## Protanomaly

77.6678, 84.8846, 56.5468

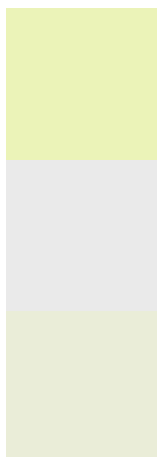
## Deuteranomaly

80.1362, 84.9811, 70.5719

## Tritanomaly

80.4249, 84.8152, 84.8052

# Monochromacy



## Original Color

74.9633, 85.2240, 57.8463

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

76.6105, 83.0187, 76.9521

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9633, 85.2240, 57.8463 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(235, 243, 184)` looks like.

```
.text, #text, p{  
    color:rgb(235, 243, 184)  
}
```

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(235, 243, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 243, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9633, 85.2240, 57.8463 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(235, 243, 184) }
```



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

```
.border{ border-color:rgb(235, 243, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 243, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 243, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 243, 184);  
box-shadow:4px 4px 4px 4px rgb(235, 243,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9633, 85.2240, 57.8463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 243, 184) }
```

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

```
.background{ background-color: rgb(235,  
243, 184) }
```

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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