

# Converting Colors

XYZ(74.4548, 83.6168, 58.6844)

Have a look what the booklet for  
XYZ(74.4548, 83.6168, 58.6844)  
contains.

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# **Color**

**XYZ(74.6151, 83.6982,  
58.6771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECF0BA
RGB	236, 240, 186
RGB Percent	93%, 94%, 73%
CMY	0.0745, 0.0588, 0.2706
CMYK	0.02, 0.00, 0.23, 0.06
HSL	64°, 64%, 84%
HSV	64°, 23%, 94%
XYZ	74.6151, 83.6982, 58.6771
YIQ	232.6480, 14.9500, -17.6420

# Conversions

## Conversions Part 2

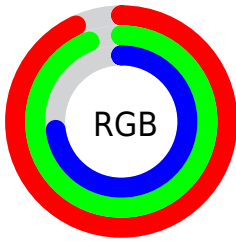
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 240, 190
Decimal	15528122
CIE <sub>Lab</sub>	93.32, -9.96, 25.73
CIE <sub>LCh</sub>	93, 27.587, 111.159
Yxy	83.6982, 0.3439, 0.3857
Android (android.graphics.Color)	4293718202 (0xFFE0F0BA)
YUV	232.6480, -22.9975, 2.9397
Hunter-Lab	91.4867, -14.5200, 26.0137

# Details

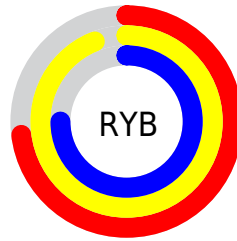
The XYZ color **74.6151, 83.6982, 58.6771** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **54.5255, 52.3584, 89.6751**, and the grayscale version is **77.3488, 81.3770, 88.6195**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **40.1965, 45.6777, 28.8884** is the 20% darker color. If you saturate the color by 10%, you get **71.6877, 82.4622, 46.3216**, and if you desaturate by 10%, it is **77.9813, 85.1162, 73.2935**.

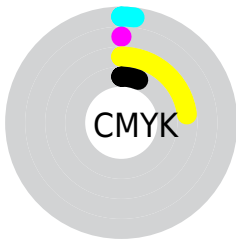
# Distribution



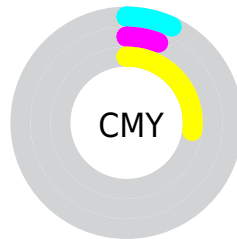
- Red (93%)
- Green (94%)
- Blue (73%)



- Red (73%)
- Yellow (94%)
- Blue (75%)



- Cyan (2%)
- Magenta (0%)
- Yellow (23%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.6151, 83.6982, 58.6771 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 74.6151, 83.6982, 58.6771 by changing the saturation by 10% instead.



■ 74.6151, 83.6982,  
58.6771

■ 74.6151, 83.6982,  
58.6771

465.6112,  
507.3105, 437.3728

■ 55.5907, 62.7663,  
41.9349

■ 124.7582,  
138.5529, 104.4327

■ 40.1106, 45.6522,  
28.7252

156.6076,  
173.2445, 134.2833

■ 27.8093, 31.9714,  
18.6292

193.4627,  
213.2915, 169.3403

■ 18.3217, 21.3397,  
11.2286

235.6888,  
259.0782, 210.0225

■ 11.2823, 13.3725,  
6.1047

283.6514,  
310.9891, 256.7483

■ 6.3257, 7.6856,  
2.8390

337.7158,

■ 3.0867, 3.8944,

369.4085, 309.9362

1.0130

398.2472,  
434.7208, 370.0049

■ 1.1998, 1.6147,  
0.0000

■ 0.1062, 0.3675,  
0.0000

■ 74.6151, 83.6982,  
58.6771

■ 74.6151, 83.6982,  
58.6771

■ 71.6877, 82.4622,  
46.3216

■ 77.9813, 85.1162,  
73.2935

■ 69.1713, 81.3883,  
36.1089


■ 81.7998, 86.7129,  
90.2703


■ 67.0446, 80.4711,  
27.9185


■ 85.6039, 88.3045,  
107.1404


■ 65.2822, 79.7002,  
21.6157


■ 86.2157, 88.6199,  
107.1690


 63.8554, 79.0642,  
17.0495


 86.8335, 88.9383,  
107.1979


 62.7310, 78.5499,  
14.0457


 87.4572, 89.2599,  
107.2271

 61.8692, 78.1413,  
12.3941

 88.0869, 89.5845,  
107.2566

 61.3490, 77.8857,  
11.8000

 88.7226, 89.9122,  
107.2864

 89.3644, 90.2431,  
107.3164

# Harmonies

## Analogous

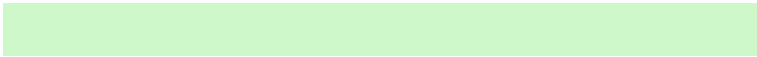
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7195, 83.6982, 57.0357



74.6151, 83.6982, 58.6771



69.1585, 83.6982, 68.2699

# Triad

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



74.6151, 83.6982, 58.6771



71.1075, 83.6982, 125.9890



94.1730, 83.6982, 97.4228

# Complementary

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



74.6151, 83.6982, 58.6771



54.5255, 52.3584, 89.6751

# Split Complementary

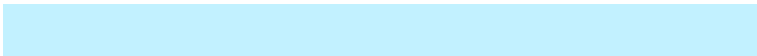
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.9393, 83.6982, 118.6038



74.6151, 83.6982, 58.6771



77.4244, 83.6982, 136.6675

# Square

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



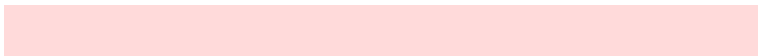
74.6151, 83.6982, 58.6771



67.2207, 83.6982, 106.3534



84.7033, 83.6982, 133.7767



93.3074, 83.6982, 77.4390

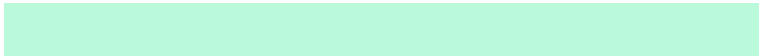


# Rectangle

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



74.6151, 83.6982, 58.6771



67.0481, 83.6982, 78.8113



84.7033, 83.6982, 133.7767



93.5225, 83.6982, 104.6766

# Sweetspot

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



74.6173, 83.7019, 58.6789



91.8226, 98.6530, 94.4381



63.1278, 58.7265, 54.4637



19.5969, 21.0920, 19.9605



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

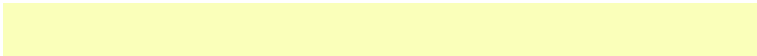


# Same Dimension

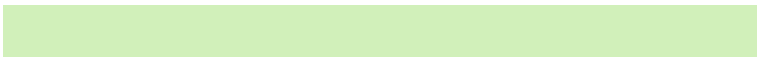
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.6173, 83.7019, 58.6789



84.0251, 95.3759, 60.5188



66.4339, 79.4832, 58.2959



17.0004, 18.3959, 16.8045



33.6314, 42.6592, 6.4615



2.8321, 3.5665, 0.5391



# Inverse Universe

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



54.5255, 52.3584, 89.6751



57.1909, 53.5107, 101.9221



61.7862, 56.1015, 90.0149



15.0058, 15.2847, 19.8810



8.7851, 3.5343, 45.3470

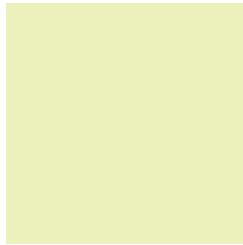


0.7683, 0.3134, 3.7742



# Previews

## White Background



This preview shows how the XYZ color 74.6151, 83.6982, 58.6771 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

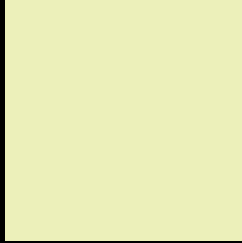
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.6151, 83.6982, 58.6771 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

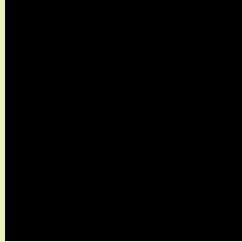
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

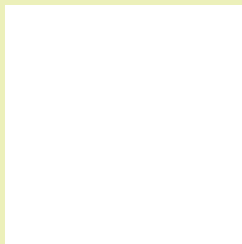
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.6151, 83.6982, 58.6771**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.6151, 83.6982, 58.6771.



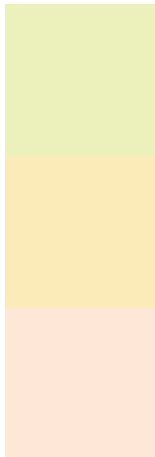
This preview shows how white text looks on a background with the XYZ color 74.6151, 83.6982,



# 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

74.6151, 83.6982, 58.6771

### Protanopia

78.1437, 83.3866, 57.3240

### Deuteranopia

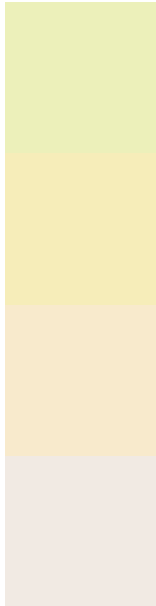
82.0817, 83.3181, 76.0458



## Tritanopia

83.1395, 83.2871, 102.1366

# Trichromacy



## Original Color

74.6151, 83.6982, 58.6771

## Protanomaly

77.0472, 83.6640, 57.9869

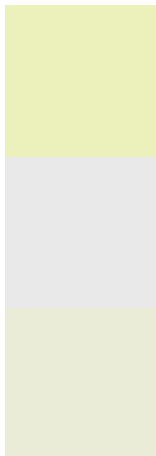
## Deuteranomaly

79.0333, 83.1617, 69.0131

## Tritanomaly

79.5636, 83.0925, 84.5180

# Monochromacy



## Original Color

74.6151, 83.6982, 58.6771

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.3218, 82.4412, 76.8559

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.6151, 83.6982, 58.6771 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(236, 240, 186)` looks like.

```
.text, #text, p{  
    color:rgb(236, 240, 186)  
}
```

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(236, 240, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 240, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 74.6151, 83.6982, 58.6771 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(236, 240, 186) }
```



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

```
.border{ border-color:rgb(236, 240, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 240, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 240, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 240, 186);  
box-shadow:4px 4px 4px 4px rgb(236, 240,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.6151, 83.6982, 58.6771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 240, 186) }
```

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

```
.background{ background-color: rgb(236,  
240, 186) }
```

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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