

# Converting Colors

XYZ(77.9919, 84.9558, 55.9869)

Have a look what the booklet for  
XYZ(77.9919, 84.9558, 55.9869)  
contains.

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# Color

**XYZ(77.9184, 85.0257,  
56.0209)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | F8EFB5                      |
| RGB         | 248, 239, 181               |
| RGB Percent | 97%, 94%, 71%               |
| CMY         | 0.0274, 0.0627, 0.2902      |
| CMYK        | 0.00, 0.04, 0.27, 0.03      |
| HSL         | 52°, 83%, 84%               |
| HSV         | 52°, 27%, 97%               |
| XYZ         | 77.9184, 85.0257, 56.0209   |
| YIQ         | 235.0790, 23.9820, -16.1300 |

# Conversions

## Conversions Part 2

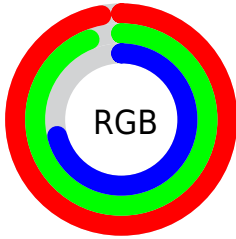
| <b>Format</b>                       | <b>Color</b>  |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">191, 248, 181</a>                                 |
| Decimal                             | <a href="#">16314293</a>                                      |
| CIELab                              | <a href="#">93.89, -5.73, 29.21</a>                           |
| CIELCh                              | <a href="#">94, 29.768, 101.092</a>                           |
| Yxy                                 | <a href="#">85.0257, 0.3558, 0.3883</a>                       |
| Android<br>(android.graphics.Color) | <a href="#">4294504373</a><br>( <a href="#">0xFFFF8EFB5</a> ) |
| YUV                                 | <a href="#">235.0790, -26.6609, 11.3317</a>                   |
| Hunter-Lab                          | <a href="#">92.2094, -10.5311, 28.5255</a>                    |

# Details

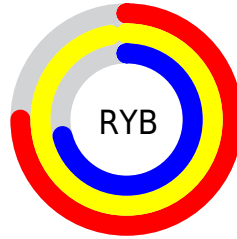
The XYZ color **77.9184, 85.0257, 56.0209** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **54.4125, 53.4265, 96.2517**, and the grayscale version is **79.2115, 83.3367, 90.7537**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **42.3156, 46.5019, 27.1676** is the 20% darker color. If you saturate the color by 10%, you get **74.6320, 82.1688, 43.4689**, and if you desaturate by 10%, it is **81.6802, 88.1073, 70.9680**.

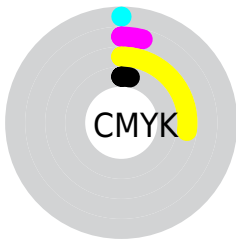
# Distribution



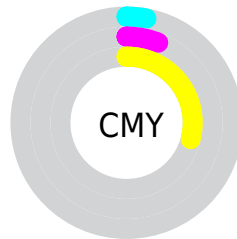
- Red (97%)
- Green (94%)
- Blue (71%)



- Red (75%)
- Yellow (97%)
- Blue (71%)



- Cyan (0%)
- Magenta (4%)
- Yellow (27%)
- Black (3%)



- Cyan (3%)
- Magenta (6%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9184, 85.0257, 56.0209 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 77.9184, 85.0257, 56.0209 by changing the saturation by 10% instead.



77.9184, 85.0257,  
56.0209

77.9184, 85.0257,  
56.0209

476.7337,  
511.7131, 427.1608

58.3095, 63.8626,  
39.8156

129.4011,  
140.4091, 100.5212

42.3017, 46.5394,  
27.0821

162.0055,  
175.3982, 129.6533

29.5298, 32.6717,  
17.4019

199.6726,  
215.7647, 163.9314

19.6282, 21.8751,  
10.3565

242.7675,  
261.8931, 203.7740

12.2318, 13.7651,  
5.5273

291.6558,  
314.1678, 249.5998

6.9751, 7.9575,  
2.4957

346.7026,

3.4927, 4.0678,

372.9730, 301.8271

0.8379

408.2735,  
438.6934, 360.8746

■ 1.4194, 1.7115,  
0.0000

■ 0.2699, 0.4311,  
0.0000

■ 77.9184, 85.0257,  
56.0209

■ 77.9184, 85.0257,  
56.0209

■ 74.6320, 82.1688,  
43.4689

■ 81.6802, 88.1073,  
70.9680

■ 71.7902, 79.5155,  
33.1801

■ 85.9331, 91.4114,  
88.4220

■ 69.3690, 77.0587,  
25.0181

■ 90.6353, 94.9241,  
108.1529

■ 67.3390, 74.7867,  
18.8293

■ 91.6735, 97.0005,  
108.4990

■ 65.6672, 72.6862,  
14.4400

■ 92.5215, 98.6965,  
108.7817

■ 64.3146, 70.7412,  
11.6456

■ 63.2317, 68.9319,  
10.1851

■ 62.9378, 68.4090,  
9.8871

# Harmonies

## Analogous

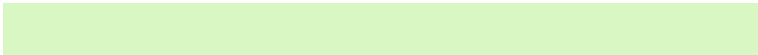
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8528, 85.0257, 57.1294



77.9184, 85.0257, 56.0209



71.2080, 85.0257, 63.4329

# Triad

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



77.9184, 85.0257, 56.0209



69.8668, 85.0257, 124.3225



96.1024, 85.0257, 107.4505

# Complementary

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



77.9184, 85.0257, 56.0209



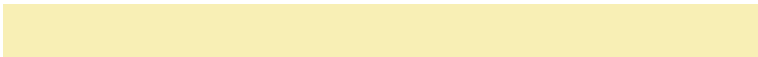
54.4125, 53.4265, 96.2517

# 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.



91.2481, 85.0257, 129.5121



77.9184, 85.0257, 56.0209



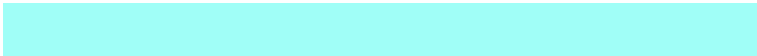
75.9770, 85.0257, 140.2991

# Square

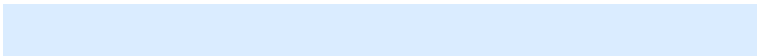
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9184, 85.0257, 56.0209



66.7659, 85.0257, 101.2298



83.7812, 85.0257, 142.3399



96.7070, 85.0257, 84.4348

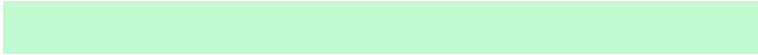


# Rectangle

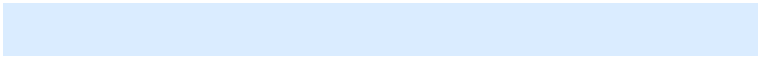
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9184, 85.0257, 56.0209



68.1969, 85.0257, 73.0466



83.7812, 85.0257, 142.3399



94.8994, 85.0257, 115.3145

# Sweetspot

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



77.9206, 85.0295, 56.0227



91.0702, 97.0202, 92.2215



64.6455, 56.7690, 56.8705



19.3410, 20.6502, 19.1108



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.



77.9206, 85.0295, 56.0227



81.1861, 89.0216, 52.6423



72.8197, 86.4067, 56.5574



18.5170, 19.7699, 18.3024



34.0747, 37.1060, 5.3662



3.2092, 3.5432, 0.5148



# Inverse Universe

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



54.4125, 53.4265, 96.2517



52.5863, 50.5782, 101.5987



58.4934, 52.7272, 95.9016



16.4709, 17.0186, 21.8021



9.5075, 4.3706, 48.3161

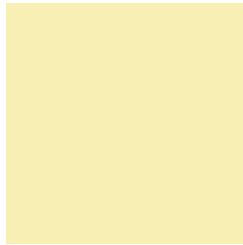


0.9369, 0.5174, 4.4937



# Previews

## White Background



This preview shows how the XYZ color 77.9184, 85.0257, 56.0209 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 77.9184, 85.0257, 56.0209 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

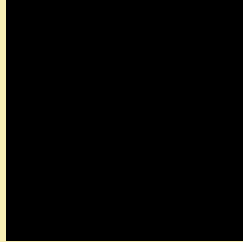
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.9184, 85.0257, 56.0209**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.9184, 85.0257, 56.0209.



This preview shows how white text looks on a background with the XYZ color 77.9184, 85.0257,



# 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

77.9184, 85.0257, 56.0209

### Protanopia

79.3955, 84.9345, 55.3894

### Deuteranopia

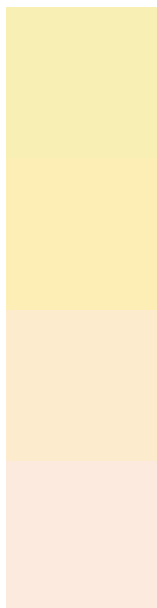
83.3177, 85.1676, 78.3773



## Tritanopia

86.6044, 85.1272, 99.8623

# Trichromacy



## Original Color

77.9184, 85.0257, 56.0209

## Protanomaly

78.9576, 85.1398, 55.4521

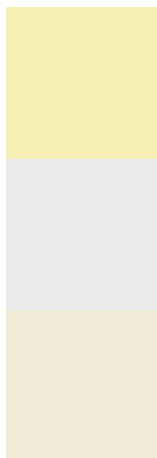
## Deuteranomaly

81.1598, 85.0941, 69.9048

## Tritanomaly

82.8870, 84.8688, 81.8247

# Monochromacy



## Original Color

77.9184, 85.0257, 56.0209

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.1964, 83.4225, 76.2707

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9184, 85.0257, 56.0209 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(248, 239, 181)` looks like.

```
.text, #text, p{  
    color:rgb(248, 239, 181)  
}
```

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(248, 239, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 239, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9184, 85.0257, 56.0209 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(248, 239, 181) }
```



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

```
.border{ border-color:rgb(248, 239, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 239, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 239, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 239, 181); box-shadow:4px 4px 4px 4px rgb(248, 239, 181) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9184, 85.0257, 56.0209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 239, 181) }
```

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

```
.background{ background-color: rgb(248,  
239, 181) }
```

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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