

# Converting Colors

XYZ(77.1479, 84.9645, 60.2451)

Have a look what the booklet for  
XYZ(77.1479, 84.9645, 60.2451)  
contains.

<b>XYZ(77.3075, 85.0490, 60.4857)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(77.3075, 85.0490,  
60.4857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F0BD
RGB	243, 240, 189
RGB Percent	95%, 94%, 74%
CMY	0.0471, 0.0588, 0.2588
CMYK	0.00, 0.01, 0.22, 0.05
HSL	57°, 69%, 85%
HSV	57°, 22%, 95%
XYZ	77.3075, 85.0490, 60.4857
YIQ	235.0830, 18.1590, -15.2250

# Conversions

## Conversions Part 2

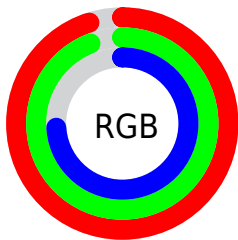
Format	Color
R <sub>Y</sub> B	192, 243, 189
Decimal	15986877
CIE Lab	93.90, -7.00, 25.08
CIE LCh	94, 26.038, 105.587
Yxy	85.0490, 0.3469, 0.3817
Android (android.graphics.Color)	4294176957 (0xFFFF3F0BD)
YUV	235.0830, -22.7189, 6.9432
Hunter-Lab	92.2220, -11.7563, 25.6688

# Details

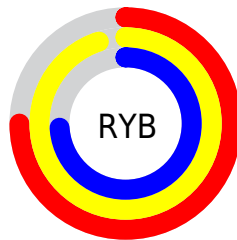
The XYZ color **77.3075, 85.0490, 60.4857** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **56.0133, 54.9878, 92.4557**, and the grayscale version is **79.1886, 83.3126, 90.7274**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **41.7634, 46.4694, 29.6900** is the 20% darker color. If you saturate the color by 10%, you get **74.4934, 83.2939, 47.6064**, and if you desaturate by 10%, it is **80.5710, 86.9943, 75.6971**.

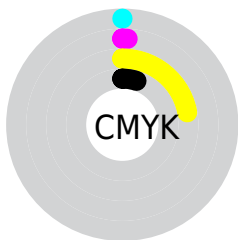
# Distribution



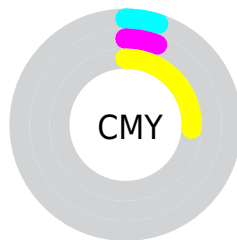
- Red (95%)
- Green (94%)
- Blue (74%)



- Red (75%)
- Yellow (95%)
- Blue (74%)



- Cyan (0%)
- Magenta (1%)
- Yellow (22%)
- Black (5%)



- Cyan (5%)
- Magenta (6%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3075, 85.0490, 60.4857 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 77.3075, 85.0490, 60.4857 by changing the saturation by 10% instead.



77.3075, 85.0490,  
60.4857

77.3075, 85.0490,  
60.4857

474.6877,  
511.7902, 444.2400

57.8061, 63.8819,  
43.3824

128.5440,  
140.4416, 107.0842

41.8954, 46.5550,  
29.8516

161.0098,  
175.4359, 137.4164

29.2102, 32.6840,  
19.4749

198.5278,  
215.8081, 172.9954

19.3850, 21.8845,  
11.8337

241.4633,  
261.9424, 214.2396

12.0544, 13.7720,  
6.5094

290.1817,  
314.2234, 261.5676

6.8532, 7.9623,  
3.0834

345.0483,

3.4160, 4.0708,

373.0355, 315.3980

1.1374

406.4285,  
438.7629, 376.1493

■ 1.3774, 1.7133,  
0.0000

■ 0.2400, 0.4322,  
0.0000

■ 77.3075, 85.0490,  
60.4857

■ 77.3075, 85.0490,  
60.4857

■ 74.4934, 83.2939,  
47.6064

■ 80.5710, 86.9943,  
75.6971

■ 72.1000, 81.7090,  
36.9380

■ 84.2977, 89.1268,  
93.3431

■ 70.1057, 80.2883,  
28.3564

■ 87.3775, 91.0052,  
107.5682

■ 68.4841, 79.0214,  
21.7231

■ 87.7845, 91.8193,  
107.7039

67.2057, 77.8965,  
16.8829

88.1945, 92.6393,  
107.8406

66.2366, 76.8999,  
13.6571

88.6075, 93.4652,  
107.9782

65.5359, 76.0154,  
11.8300

89.0235, 94.2971,  
108.1169

65.1275, 75.3851,  
11.1182

89.4424, 95.1350,  
108.2565

89.8643, 95.9789,  
108.3972

# Harmonies

## Analogous

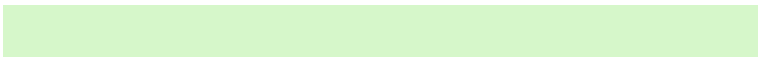
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1999, 85.0490, 60.3334



77.3075, 85.0490, 60.4857



71.6841, 85.0490, 68.3754

# Triad

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



77.3075, 85.0490, 60.4857



71.8626, 85.0490, 122.6365



94.4458, 85.0490, 102.4344

# Complementary

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



77.3075, 85.0490, 60.4857



56.0133, 54.9878, 92.4557

# Split Complementary

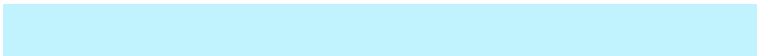
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.7366, 85.0490, 121.9705



77.3075, 85.0490, 60.4857



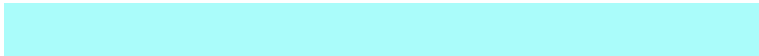
77.5640, 85.0490, 134.7155

# Square

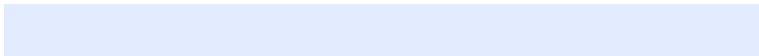
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3075, 85.0490, 60.4857



68.6651, 85.0490, 103.2449



84.4713, 85.0490, 134.4557



94.3674, 85.0490, 82.7204

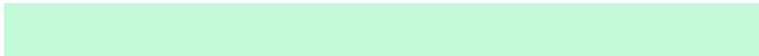


# Rectangle

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



77.3075, 85.0490, 60.4857



69.2963, 85.0490, 77.7053



84.4713, 85.0490, 134.4557



93.5917, 85.0490, 109.2946

# Sweetspot

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



77.3097, 85.0528, 60.4875



91.9931, 98.2733, 94.3558



64.7416, 59.2834, 58.2502



19.6365, 21.0037, 19.9414



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

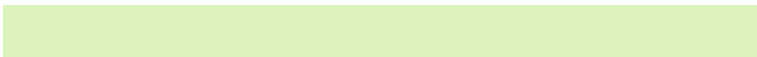
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3097, 85.0528, 60.4875



84.6731, 93.9199, 60.2036



70.6308, 82.9291, 60.4296



17.8314, 19.1468, 17.5535



35.7779, 41.4413, 6.1133



3.1681, 3.6895, 0.5452



# Inverse Universe

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



56.0133, 54.9878, 92.4557



56.7426, 54.4908, 102.1349



61.6430, 56.9240, 92.5327



15.6549, 16.0741, 20.8201



8.9909, 3.7756, 46.7929

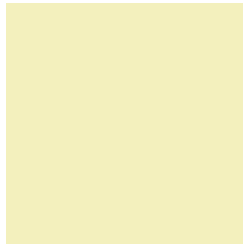


0.8157, 0.3827, 4.1211



# Previews

## White Background



This preview shows how the XYZ color 77.3075, 85.0490, 60.4857 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

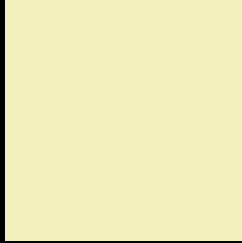
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.3075, 85.0490, 60.4857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

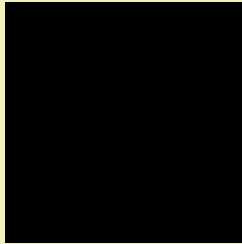
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

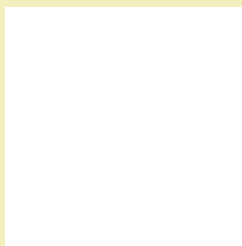
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.3075, 85.0490, 60.4857**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.3075, 85.0490, 60.4857.



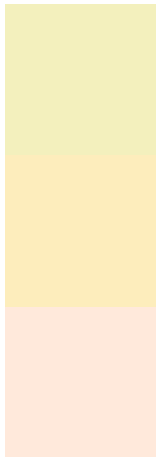
This preview shows how white text looks on a background with the XYZ color 77.3075, 85.0490,

60.4857.

# 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

77.3075, 85.0490, 60.4857

### Protanopia

79.8693, 85.0819, 59.7898

### Deuteranopia

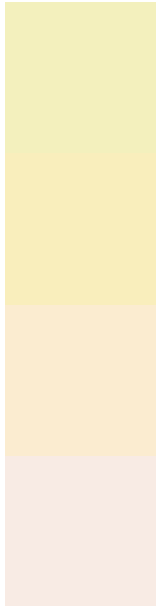
83.1651, 84.6523, 78.9741



## Tritanopia

85.8956, 85.1246, 102.3460

# Trichromacy



## Original Color

77.3075, 85.0490, 60.4857

## Protanomaly

78.7186, 84.9196, 59.8192

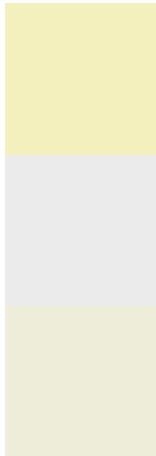
## Deuteranomaly

81.1643, 85.0542, 71.8138

## Tritanomaly

82.4233, 84.9746, 85.4563

# Monochromacy



## Original Color

77.3075, 85.0490, 60.4857

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.1990, 83.8075, 78.3846

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3075, 85.0490, 60.4857 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(243, 240, 189)` looks like.

```
.text, #text, p{  
    color:rgb(243, 240, 189)  
}
```

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(243, 240, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 240, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3075, 85.0490, 60.4857 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(243, 240, 189) }
```



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

```
.border{ border-color:rgb(243, 240, 189) }
```

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

Here you see how a box with a 4 pixel rgb(243, 240, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 240, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 240, 189);  
box-shadow:4px 4px 4px 4px rgb(243, 240,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3075, 85.0490, 60.4857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 240, 189) }
```

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

```
.background{ background-color: rgb(243,  
240, 189) }
```

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