

# Converting Colors

$Yxy(77.0954, 0.3808, 0.5111)$

Have a look what the booklet for  
Yxy(77.0954, 0.3808, 0.5111)  
contains.

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# Color

**Yxy(77.1346, 0.3811, 0.5111)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBF33D
RGB	203, 243, 61
RGB Percent	80%, 95%, 24%
CMY	0.2040, 0.0470, 0.7608
CMYK	0.16, 0.00, 0.75, 0.05
HSL	73°, 88%, 60%
HSV	73°, 75%, 95%
XYZ	57.5152, 77.1346, 16.2690
YIQ	210.2920, 34.5820, -65.0820

# Conversions

## Conversions Part 2

Format	Color
<b>RYB</b>	61, 243, 101
Decimal	13366077
CIELab	90.38, -35.64, 77.29
CIELCh	90, 85.111, 114.753
Yxy	77.1346, 0.3811, 0.5111
Android (android.graphics.Color)	4291556157 (0xFFC BF33D)
YUV	210.2920, -73.6010, -6.3951
Hunter-Lab	87.8263, -36.8010, 50.4955

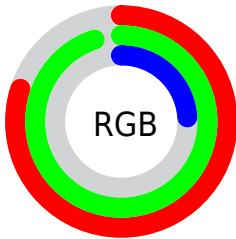
# Details

The Yxy color **77.1346, 0.3811, 0.5111** is a light color, and the websafe version is hex **CCFF33**.

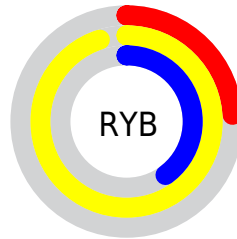
The color can be described as light washed yellow. A complement of this color would be **12.5763, 0.1906, 0.1033**, and the grayscale version is **65.1248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1605, 0.3893, 0.4557**, and **41.4699, 0.3792, 0.5372** is the 20% darker color. If you saturate the color by 10%, you get **76.1954, 0.3825, 0.5245**, and if you desaturate by 10%, it is **78.2252, 0.3770, 0.4931**.

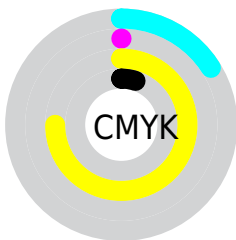
# Distribution



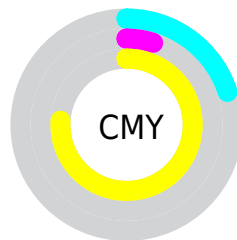
- Red (80%)
- Green (95%)
- Blue (24%)



- Red (24%)
- Yellow (95%)
- Blue (40%)



- Cyan (16%)
- Magenta (0%)
- Yellow (75%)
- Black (5%)




- Cyan (20%)
- Magenta (5%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1346, 0.3811, 0.5111 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 Yxy color 77.1346, 0.3811, 0.5111 by changing the saturation by 10% instead.




 77.1346, 0.3811,  
0.5111

 77.1346, 0.3811,  
0.5111


485.2228, 0.3576,  
0.4281

 57.3634, 0.3837,  
0.5283


 129.3295, 0.3751,  
0.4835


 41.2970, 0.3853,  
0.5482


 162.5219, 0.3721,  
0.4723


 28.5513, 0.3850,  
0.5712


 200.9568, 0.3693,  
0.4626

 18.7416, 0.3811,  
0.5976

 245.0186, 0.3666,  
0.4540

 11.4837, 0.3713,  
0.6287

 295.0917, 0.3641,  
0.4464

 6.3932, 0.3453,  
0.6547


351.5605, 0.3618,


 3.0856, 0.3049,

0.4396


0.6951


414.8094, 0.3596,  
0.4336


 1.1766, 0.1591,  
0.8409

 0.0425, 0.0000,  
1.0000


 77.1346, 0.3811,  
0.5111


 77.1346, 0.3811,  
0.5111


 76.1954, 0.3825,  
0.5245

 78.2252, 0.3770,  
0.4931


 75.3793, 0.3815,  
0.5332

 79.4712, 0.3705,  
0.4713

 74.9988, 0.3803,  
0.5363

 80.8884, 0.3620,  
0.4466


 82.4881, 0.3520,  
0.4202

 84.2801, 0.3410,  
0.3933

 86.2738, 0.3296,  
0.3666

 88.4777, 0.3182,  
0.3410

 90.8743, 0.3073,  
0.3173

 91.8536, 0.3107,  
0.3174

# Harmonies

## Analogous

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



77.1346, 0.4609, 0.4610



77.1346, 0.3811, 0.5111



77.1346, 0.2891, 0.4980

# Triad

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



77.1346, 0.3811, 0.5111



77.1346, 0.1493, 0.2207



77.1346, 0.4145, 0.2622

# Complementary

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



77.1346, 0.3811, 0.5111



12.5763, 0.1906, 0.1033

# 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.



77.1346, 0.3108, 0.2141



77.1346, 0.3811, 0.5111



77.1346, 0.1702, 0.1885

# Square

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



77.1346, 0.3811, 0.5111



77.1346, 0.1606, 0.2940



77.1346, 0.2238, 0.1881



77.1346, 0.4914, 0.3240



# Rectangle

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



77.1346, 0.3811, 0.5111



77.1346, 0.2324, 0.4419



77.1346, 0.2238, 0.1881



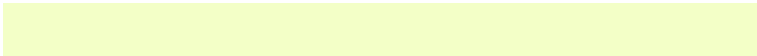
77.1346, 0.3804, 0.2441

# Sweetspot

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



77.1381, 0.3811, 0.5111



94.6329, 0.3378, 0.3856



28.5900, 0.5389, 0.3633



20.1306, 0.3409, 0.3929



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



77.1381, 0.3811, 0.5111



84.5025, 0.3823, 0.5297



67.9274, 0.3223, 0.5522



19.1190, 0.3234, 0.3526



41.2190, 0.3809, 0.5358



3.6671, 0.3859, 0.5318



# Inverse Universe

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



12.5763, 0.1906, 0.1033



9.4728, 0.1695, 0.0751



20.9413, 0.2680, 0.1423



16.1024, 0.3013, 0.3048



4.0219, 0.1615, 0.0664

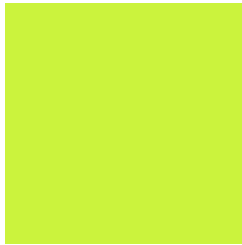


0.3970, 0.1731, 0.0727



# Previews

## White Background



This preview shows how the Yxy color 77.1346, 0.3811, 0.5111 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 Yxy color 77.1346, 0.3811, 0.5111 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

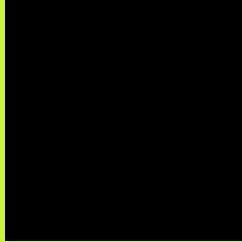
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.1346, 0.3811, 0.5111**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.1346, 0.3811, 0.5111.



This preview shows how white text looks on a background with the Yxy color 77.1346, 0.3811, 0.5111.

# 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

77.1346, 0.3811, 0.5111

### Protanopia

76.4936, 0.4316, 0.4754

### Deuteranopia

76.6769, 0.3684, 0.3751



## Tritanopia

77.0603, 0.2981, 0.3101

# Trichromacy



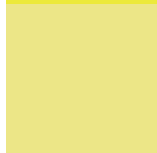
## Original Color

77.1346, 0.3811, 0.5111



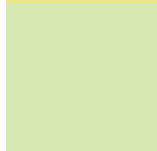
## Protanomaly

76.4162, 0.4127, 0.4890



## Deuteranomaly

76.1758, 0.3789, 0.4291



## Tritanomaly

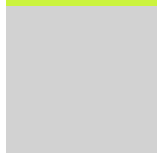
75.9393, 0.3352, 0.3905

# Monochromacy



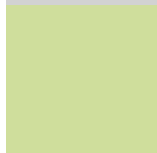
## Original Color

77.1346, 0.3811, 0.5111



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

67.9083, 0.3459, 0.4060

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.1346, 0.3811, 0.5111 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(203, 243, 61)` looks like.

```
.text, #text, p{  
    color:rgb(203, 243, 61)  
}
```

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(203, 243, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 243, 61) }
```

## Border

The CSS property to change the border of an element to Yxy 77.1346, 0.3811, 0.5111 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(203, 243, 61) }
```

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

```
.border{ border-color:rgb(203, 243, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 243, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 243, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 243, 61);  
box-shadow:4px 4px 4px 4px rgb(203, 243,  
61) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.1346, 0.3811, 0.5111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 243, 61) }
```

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

```
.background{ background-color: rgb(203,  
243, 61) }
```

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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