

# Converting Colors

$Y_{xy}(78.1270, 0.3711, 0.5239)$

Have a look what the booklet for  
Yxy(78.1270, 0.3711, 0.5239)  
contains.

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**Color**

**Yxy(78.3483, 0.3710, 0.5240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEF836
RGB	190, 248, 54
RGB Percent	75%, 97%, 21%
CMY	0.2549, 0.0274, 0.7879
CMYK	0.23, 0.00, 0.78, 0.03
HSL	78°, 93%, 59%
HSV	78°, 78%, 97%
XYZ	55.4718, 78.3483, 15.6996
YIQ	208.5420, 27.7060, -72.6300

# Conversions

## Conversions Part 2

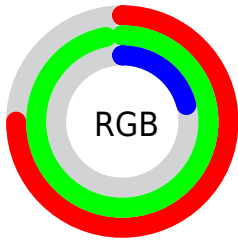
Format	Color
<a href="#">RYB</a>	<a href="#">54, 248, 112</a>
Decimal	<a href="#">12515382</a>
CIELab	<a href="#">90.94, -43.10, 79.50</a>
CIELCh	<a href="#">91, 90.432, 118.462</a>
Yxy	<a href="#">78.3483, 0.3710, 0.5240</a>
Android (android.graphics.Color)	<a href="#">4290705462 (0xFFBEF836)</a>
YUV	<a href="#">208.5420, -76.1892, -16.2613</a>
Hunter-Lab	<a href="#">88.5146, -43.0351, 51.4441</a>

# Details

The Yxy color **78.3483, 0.3710, 0.5240** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **12.8750, 0.1953, 0.1007**, and the grayscale version is **63.9481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1049, 0.3882, 0.4614**, and **42.0869, 0.3648, 0.5485** is the 20% darker color. If you saturate the color by 10%, you get **77.2437, 0.3702, 0.5373**, and if you desaturate by 10%, it is **79.6272, 0.3692, 0.5058**.

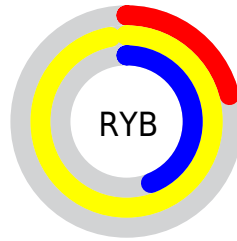
# Distribution



Red (75%)

Green (97%)

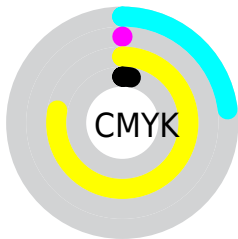
Blue (21%)



Red (21%)

Yellow (97%)

Blue (44%)

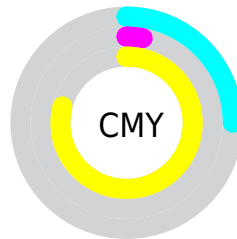


Cyan (23%)

Magenta (0%)

Yellow (78%)

Black (3%)



Cyan (25%)

Magenta (3%)


Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3483, 0.3710, 0.5240 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 78.3483, 0.3710, 0.5240 by changing the saturation by 10% instead.





 78.3483, 0.3710,  
0.5240


 78.3483, 0.3710,  
0.5240


489.3489, 0.3531,  
0.4344


 58.3601, 0.3721,  
0.5427


 131.0410, 0.3671,  
0.4940

 42.0982, 0.3719,  
0.5645


 164.5143, 0.3649,  
0.4820

 29.1782, 0.3691,  
0.5896


 203.2515, 0.3627,  
0.4714

 19.2157, 0.3622,  
0.6191

 247.6369, 0.3606,  
0.4622

 11.8262, 0.3475,  
0.6525

 298.0550, 0.3585,  
0.4540

 6.6255, 0.3166,  
0.6834


354.8901, 0.3566,


 3.2290, 0.2694,


0.4467


0.7306

418.5266, 0.3548,  
0.4402

 1.2524, 0.0732,  
0.9268


 0.1039, 0.0000,  
1.0000


 78.3483, 0.3710,  
0.5240


 78.3483, 0.3710,  
0.5240

 77.2437, 0.3702,  
0.5373


 79.6272, 0.3692,  
0.5058


 76.2803, 0.3672,  
0.5459

 81.0864, 0.3648,  
0.4835


 76.1155, 0.3665,  
0.5472


 82.7436, 0.3583,  
0.4581


 84.6113, 0.3502,  
0.4309

 86.7008, 0.3409,  
0.4031

 89.0223, 0.3310,  
0.3757

 91.5855, 0.3209,  
0.3494

 94.3995, 0.3109,  
0.3247

 95.6163, 0.3130,  
0.3223

# Harmonies

## Analogous

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



78.3483, 0.4577, 0.4740



78.3483, 0.3710, 0.5240



78.3483, 0.2750, 0.5009

# Triad

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



78.3483, 0.3710, 0.5240



78.3483, 0.1433, 0.2087



78.3483, 0.4327, 0.2660

# Complementary

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



78.3483, 0.3710, 0.5240



12.8750, 0.1953, 0.1007

# 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.



78.3483, 0.3235, 0.2141



78.3483, 0.3710, 0.5240



78.3483, 0.1689, 0.1805

# Square

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



78.3483, 0.3710, 0.5240



78.3483, 0.1503, 0.2791



78.3483, 0.2287, 0.1840



78.3483, 0.5070, 0.3309



# Rectangle

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



78.3483, 0.3710, 0.5240



78.3483, 0.2178, 0.4348



78.3483, 0.2287, 0.1840



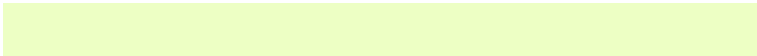
78.3483, 0.3975, 0.2468

# Sweetspot

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



78.3518, 0.3710, 0.5240



93.6051, 0.3359, 0.3889



31.1688, 0.5393, 0.3747



19.8471, 0.3394, 0.3989



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.



78.3518, 0.3710, 0.5240



81.6608, 0.3687, 0.5429



69.8961, 0.3153, 0.5641



19.9149, 0.3222, 0.3528



41.1931, 0.3674, 0.5465



3.8702, 0.3737, 0.5415



# Inverse Universe

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



12.8750, 0.1953, 0.1007



9.5959, 0.1744, 0.0755



22.5448, 0.2782, 0.1435



16.8946, 0.3026, 0.3048



4.5145, 0.1699, 0.0710

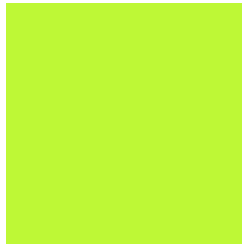


0.4706, 0.1823, 0.0778



# Previews

## White Background



This preview shows how the Yxy color 78.3483, 0.3710, 0.5240 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

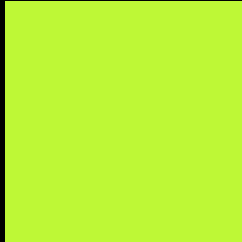
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.3483, 0.3710, 0.5240 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 78.3483, 0.3710, 0.5240**

## Background



This preview shows how black text looks on a background with the Yxy color 78.3483, 0.3710, 0.5240.



This preview shows how white text looks on a background with the Yxy color 78.3483, 0.3710, 0.5240.

# 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

78.3483, 0.3710, 0.5240

### Protanopia

77.8487, 0.4230, 0.4662

### Deuteranopia

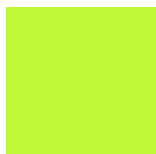
77.3715, 0.3653, 0.3720



## Tritanopia

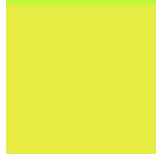
77.8403, 0.2888, 0.3099

# Trichromacy



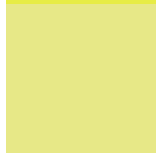
## Original Color

78.3483, 0.3710, 0.5240



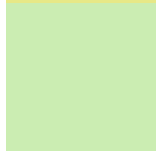
## Protanomaly

77.4095, 0.4036, 0.4880



## Deuteranomaly

76.4514, 0.3743, 0.4324



## Tritanomaly

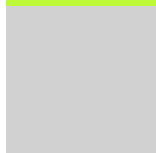
76.4792, 0.3262, 0.3963

# Monochromacy



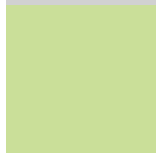
## Original Color

78.3483, 0.3710, 0.5240



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

67.6318, 0.3438, 0.4115

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3483, 0.3710, 0.5240 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(190, 248, 54)` looks like.

```
.text, #text, p{  
    color:rgb(190, 248, 54)  
}
```

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(190, 248, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 248, 54) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3483, 0.3710, 0.5240 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(190, 248, 54) }
```

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

```
.border{ border-color:rgb(190, 248, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 248, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 248, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 248, 54);  
box-shadow:4px 4px 4px 4px rgb(190, 248,  
54) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.3483, 0.3710, 0.5240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 248, 54) }
```

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

```
.background{ background-color: rgb(190,  
248, 54) }
```

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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