

# Converting Colors

$Yxy(77.6883, 0.3672, 0.5081)$

Have a look what the booklet for  
Yxy(77.6883, 0.3672, 0.5081)  
contains.

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**Color**

**Yxy(77.6538, 0.3668, 0.5084)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0F64D
RGB	192, 246, 77
RGB Percent	75%, 96%, 30%
CMY	0.2472, 0.0352, 0.6979
CMYK	0.22, 0.00, 0.69, 0.04
HSL	79°, 90%, 63%
HSV	79°, 69%, 96%
XYZ	56.0256, 77.6538, 19.0621
YIQ	210.5880, 22.0650, -64.0070

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">77, 246, 131</a>
Decimal	<a href="#">12645965</a>
CIELab	<a href="#">90.62, -40.35, 71.95</a>
CIELCh	<a href="#">91, 82.487, 119.283</a>
Yxy	<a href="#">77.6538, 0.3668, 0.5084</a>
Android (android.graphics.Color)	<a href="#">4290836045 (0xFFC0F64D)</a>
YUV	<a href="#">210.5880, -65.8589, -16.3017</a>
Hunter-Lab	<a href="#">88.1214, -40.7262, 48.8595</a>

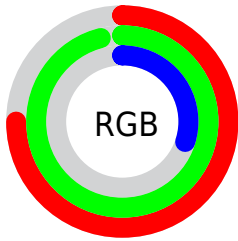
# Details

The Yxy color **77.6538, 0.3668, 0.5084** is a light color, and the websafe version is hex **CCFF66**.

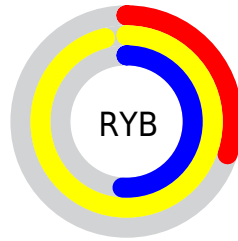
The color can be described as light washed yellow. A complement of this color would be **16.8001, 0.2133, 0.1250**, and the grayscale version is **65.2855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9647, 0.3803, 0.4452**, and **41.4635, 0.3687, 0.5454** is the 20% darker color. If you saturate the color by 10%, you get **76.3730, 0.3682, 0.5268**, and if you desaturate by 10%, it is **79.1278, 0.3629, 0.4858**.

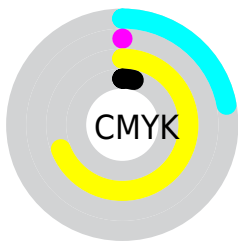
# Distribution



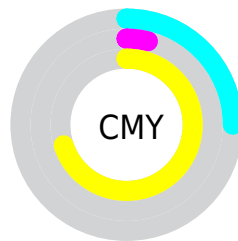
- Red (75%)
- Green (96%)
- Blue (30%)



- Red (30%)
- Yellow (96%)
- Blue (51%)



- Cyan (22%)
- Magenta (0%)
- Yellow (69%)
- Black (4%)




- Cyan (25%)
- Magenta (4%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6538, 0.3668, 0.5084 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 77.6538, 0.3668, 0.5084 by changing the saturation by 10% instead.





 77.6538, 0.3668,  
0.5084

 77.6538, 0.3668,  
0.5084


486.9903, 0.3489,  
0.4249

 57.7896, 0.3685,  
0.5264


 130.0620, 0.3624,  
0.4801


 41.6395, 0.3694,  
0.5476


 163.3748, 0.3601,  
0.4688

 28.8192, 0.3683,  
0.5728


 201.9392, 0.3580,  
0.4590

 18.9441, 0.3635,  
0.6023

 246.1397, 0.3559,  
0.4505

 11.6299, 0.3560,  
0.6440

 296.3607, 0.3540,  
0.4429

 6.4922, 0.3267,  
0.6733


352.9865, 0.3521,


 3.1466, 0.2816,

0.4362


0.7184


416.4016, 0.3505,  
0.4303


 1.2087, 0.0989,  
0.9011


 0.0688, 0.0000,  
1.0000

 77.6538, 0.3668,  
0.5084


 77.6538, 0.3668,  
0.5084

 76.3730, 0.3682,  
0.5268


 79.1278, 0.3629,  
0.4858

 75.2585, 0.3670,  
0.5403


 80.7987, 0.3569,  
0.4602


 74.2900, 0.3636,  
0.5490


 82.6825, 0.3492,  
0.4328

 74.1697, 0.3630,  
0.5499

 84.7904, 0.3404,  
0.4047

 87.1327, 0.3309,  
0.3771

 89.7190, 0.3211,  
0.3507

 92.5583, 0.3115,  
0.3258

 94.3852, 0.3131,  
0.3204

 94.4006, 0.3131,  
0.3204

# Harmonies

## Analogous

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



77.6538, 0.4473, 0.4674



77.6538, 0.3668, 0.5084



77.6538, 0.2773, 0.4823

# Triad

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



77.6538, 0.3668, 0.5084



77.6538, 0.1545, 0.2169



77.6538, 0.4253, 0.2727

# Complementary

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



77.6538, 0.3668, 0.5084



16.8001, 0.2133, 0.1250

# 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.



77.6538, 0.3260, 0.2230



77.6538, 0.3668, 0.5084



77.6538, 0.1797, 0.1903

# Square

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



77.6538, 0.3668, 0.5084



77.6538, 0.1609, 0.2821



77.6538, 0.2373, 0.1939



77.6538, 0.4921, 0.3347



# Rectangle

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



77.6538, 0.3668, 0.5084



77.6538, 0.2241, 0.4220



77.6538, 0.2373, 0.1939



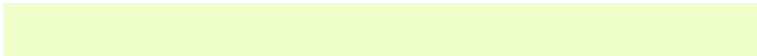
77.6538, 0.3935, 0.2543

# Sweetspot

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



77.6573, 0.3668, 0.5084



93.9125, 0.3332, 0.3836



36.2423, 0.4981, 0.3808



19.9487, 0.3358, 0.3912



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.



77.6573, 0.3668, 0.5084



82.4209, 0.3680, 0.5320



69.6459, 0.3151, 0.5421



19.0323, 0.3219, 0.3527



39.6621, 0.3640, 0.5492



3.5409, 0.3710, 0.5436



# Inverse Universe

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



16.8001, 0.2133, 0.1250



12.6634, 0.1924, 0.0944



26.4196, 0.2894, 0.1615



16.1840, 0.3029, 0.3049



4.4984, 0.1727, 0.0725

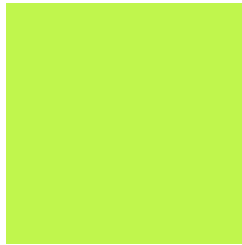


0.4482, 0.1860, 0.0798



# Previews

## White Background



This preview shows how the Yxy color 77.6538, 0.3668, 0.5084 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

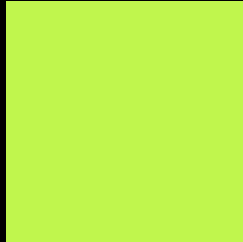
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.6538, 0.3668, 0.5084 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

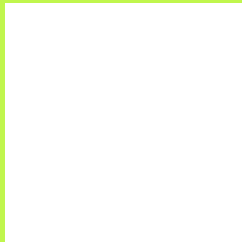
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.6538, 0.3668, 0.5084**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.6538, 0.3668, 0.5084.



This preview shows how white text looks on a background with the Yxy color 77.6538, 0.3668, 0.5084.

# 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

77.6538, 0.3668, 0.5084

### Protanopia

77.2147, 0.4259, 0.4688

### Deuteranopia

76.7572, 0.3670, 0.3731



## Tritanopia

77.3680, 0.2899, 0.3099

# Trichromacy



## Original Color

77.6538, 0.3668, 0.5084



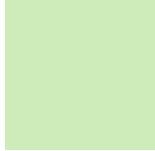
## Protanomaly

77.0669, 0.4033, 0.4839



## Deuteranomaly

76.2606, 0.3712, 0.4242



## Tritanomaly

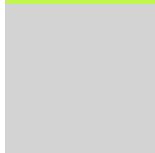
76.5152, 0.3228, 0.3857

# Monochromacy



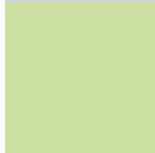
## Original Color

77.6538, 0.3668, 0.5084



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

68.7573, 0.3392, 0.4016

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.6538, 0.3668, 0.5084 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(192, 246, 77)` looks like.

```
.text, #text, p{  
    color:rgb(192, 246, 77)  
}
```

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(192, 246, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 246, 77) }
```

## Border

The CSS property to change the border of an element to Yxy 77.6538, 0.3668, 0.5084 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(192, 246, 77) }
```

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

```
.border{ border-color:rgb(192, 246, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 246, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 246, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 246, 77);  
box-shadow:4px 4px 4px 4px rgb(192, 246,  
77) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.6538, 0.3668, 0.5084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 246, 77) }
```

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

```
.background{ background-color: rgb(192,  
246, 77) }
```

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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