

# Converting Colors

Yxy(77.6385, 0.3903, 0.5190)

Have a look what the booklet for  
Yxy(77.6385, 0.3903, 0.5190)  
contains.

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**Color**

**Yxy(77.6385, 0.3903, 0.5190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0F324
RGB	208, 243, 36
RGB Percent	82%, 95%, 14%
CMY	0.1842, 0.0471, 0.8592
CMYK	0.14, 0.00, 0.85, 0.05
HSL	70°, 90%, 55%
HSV	70°, 85%, 95%
XYZ	58.3859, 77.6385, 13.5680
YIQ	208.9370, 45.5870, -71.7970

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	36, 243, 71
Decimal	13693732
CIE Lab	90.61, -34.51, 83.92
CIE LCh	91, 90.740, 112.353
Yxy	77.6385, 0.3903, 0.5190
Android (android.graphics.Color)	4291883812 (0xFFD0F324)
YUV	208.9370, -85.2579, -0.8217
Hunter-Lab	88.1127, -35.9182, 52.5491

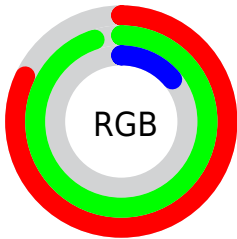
# Details

The Yxy color **77.6385, 0.3903, 0.5190** 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 **9.0610, 0.1702, 0.0795**, and the grayscale version is **64.2596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7999, 0.3965, 0.4675**, and **41.9302, 0.3838, 0.5335** is the 20% darker color. If you saturate the color by 10%, you get **76.9536, 0.3900, 0.5266**, and if you desaturate by 10%, it is **78.4462, 0.3880, 0.5068**.

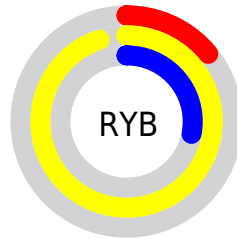
# Distribution



Red (82%)

Green (95%)

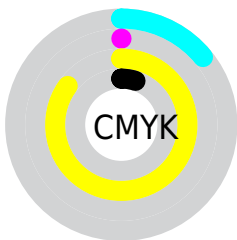
Blue (14%)



Red (14%)

Yellow (95%)

Blue (28%)

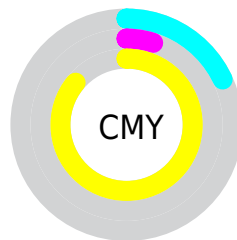


Cyan (14%)

Magenta (0%)

Yellow (85%)

Black (5%)



Cyan (18%)

Magenta (5%)


Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6385, 0.3903, 0.5190 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 77.6385, 0.3903, 0.5190 by changing the saturation by 10% instead.



 77.6385, 0.3903,  
0.5190


 77.6385, 0.3903,  
0.5190


486.9383, 0.3643,  
0.4342


 57.7771, 0.3929,  
0.5358


 130.0404, 0.3839,  
0.4913


 41.6294, 0.3943,  
0.5549


 163.3496, 0.3806,  
0.4800

 28.8113, 0.3933,  
0.5762

 201.9103, 0.3775,  
0.4700

 18.9381, 0.3900,  
0.6025

 246.1067, 0.3745,  
0.4612

 11.6255, 0.3756,  
0.6244

 296.3233, 0.3717,  
0.4533

 6.4892, 0.3507,  
0.6493


352.9445, 0.3690,


 3.1448, 0.3119,


0.4463


0.6881


416.3547, 0.3666,  
0.4399


 1.2078, 0.1852,  
0.8148


 0.0680, 0.0000,  
1.0000


 77.6385, 0.3903,  
0.5190


 77.6385, 0.3903,  
0.5190


 76.9536, 0.3900,  
0.5266


 78.4462, 0.3880,  
0.5068

 76.6533, 0.3893,  
0.5291


 79.3839, 0.3831,  
0.4901

 80.4695, 0.3758,  
0.4694


 81.7153, 0.3664,  
0.4457

 83.1324, 0.3555,  
0.4201

 84.7306, 0.3436,  
0.3937

 86.5191, 0.3313,  
0.3673

 88.5064, 0.3190,  
0.3418

 90.7003, 0.3071,  
0.3177

# Harmonies

## Analogous

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



77.6385, 0.4729, 0.4603



77.6385, 0.3903, 0.5190



77.6385, 0.2939, 0.5150

# Triad

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



77.6385, 0.3903, 0.5190



77.6385, 0.1413, 0.2185



77.6385, 0.4121, 0.2536

# Complementary

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



77.6385, 0.3903, 0.5190



9.0610, 0.1702, 0.0795

# 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.



77.6385, 0.3018, 0.2053



77.6385, 0.3903, 0.5190



77.6385, 0.1603, 0.1827

# Square

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



77.6385, 0.3903, 0.5190



77.6385, 0.1552, 0.2991



77.6385, 0.2130, 0.1803



77.6385, 0.4982, 0.3169



# Rectangle

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



77.6385, 0.3903, 0.5190



77.6385, 0.2335, 0.4591



77.6385, 0.2130, 0.1803



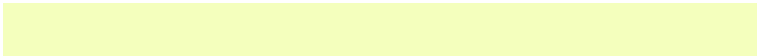
77.6385, 0.3752, 0.2354

# Sweetspot

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



77.6420, 0.3903, 0.5190



94.3792, 0.3446, 0.3959



23.6135, 0.5873, 0.3512



20.0648, 0.3488, 0.4051



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.



77.6420, 0.3903, 0.5190



85.5081, 0.3892, 0.5292



67.2271, 0.3235, 0.5695



19.1637, 0.3242, 0.3526



42.1215, 0.3898, 0.5287



3.7387, 0.3937, 0.5256



# Inverse Universe

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



9.0610, 0.1702, 0.0795



7.7349, 0.1563, 0.0635



16.7211, 0.2497, 0.1219



16.0611, 0.3005, 0.3047



3.8496, 0.1574, 0.0641



0.3761, 0.1676, 0.0697



# Previews

## White Background



This preview shows how the Yxy color 77.6385, 0.3903, 0.5190 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 77.6385, 0.3903, 0.5190 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 77.6385, 0.3903, 0.5190**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.6385, 0.3903, 0.5190.



This preview shows how white text looks on a background with the Yxy color 77.6385, 0.3903, 0.5190.

# 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

77.6385, 0.3903, 0.5190

### Protanopia

77.1402, 0.4280, 0.4719

### Deuteranopia

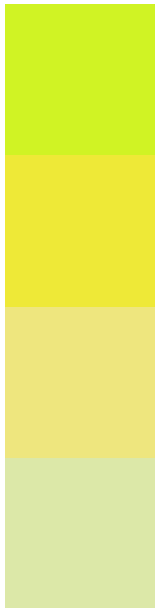
77.2497, 0.3674, 0.3751



## Tritanopia

77.2553, 0.3020, 0.3103

# Trichromacy



## Original Color

77.6385, 0.3903, 0.5190

## Protanomaly

76.7308, 0.4151, 0.4893

## Deuteranomaly

76.2771, 0.3858, 0.4371

## Tritanomaly

75.7560, 0.3455, 0.3999

# Monochromacy



## Original Color

77.6385, 0.3903, 0.5190

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

67.3435, 0.3543, 0.4161

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.6385, 0.3903, 0.5190 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(208, 243, 36)` looks like.

```
.text, #text, p{  
    color:rgb(208, 243, 36)  
}
```

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(208, 243, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 243, 36) }
```

## Border

The CSS property to change the border of an element to Yxy 77.6385, 0.3903, 0.5190 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(208, 243, 36) }
```

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

```
.border{ border-color:rgb(208, 243, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 243, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 243, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 243, 36);  
box-shadow:4px 4px 4px 4px rgb(208, 243,  
36) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.6385, 0.3903, 0.5190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 243, 36) }
```

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

```
.background{ background-color: rgb(208,  
243, 36) }
```

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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