

# Converting Colors

$Yxy(76.4401, 0.3987, 0.5181)$

Have a look what the booklet for  
Yxy(76.4401, 0.3987, 0.5181)  
contains.

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# Color

**Yxy(76.6633, 0.3988, 0.5181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6F013
RGB	214, 240, 19
RGB Percent	84%, 94%, 7%
CMY	0.1607, 0.0588, 0.9260
CMYK	0.11, 0.00, 0.92, 0.06
HSL	67°, 88%, 51%
HSV	67°, 92%, 94%
XYZ	59.0105, 76.6633, 12.2963
YIQ	207.0320, 55.4450, -74.2430

# Conversions

## Conversions Part 2

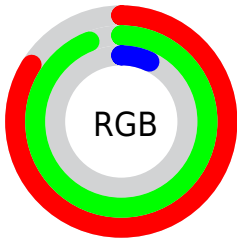
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	19, 240, 45
Decimal	14086163
CIE Lab	90.17, -31.07, 86.37
CIE LCh	90, 91.791, 109.783
Yxy	76.6633, 0.3988, 0.5181
Android (android.graphics.Color)	4292276243 (0xFFD6F013)
YUV	207.0320, -92.6998, 6.1109
Hunter-Lab	87.5576, -32.9236, 52.9638

# Details

The Yxy color **76.6633, 0.3988, 0.5181** 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 **7.3073, 0.1588, 0.0681**, and the grayscale version is **62.9943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6431, 0.3998, 0.4729**, and **41.1510, 0.3908, 0.5279** is the 20% darker color. If you saturate the color by 10%, you get **76.2889, 0.3985, 0.5218**, and if you desaturate by 10%, it is **77.2219, 0.3974, 0.5101**.

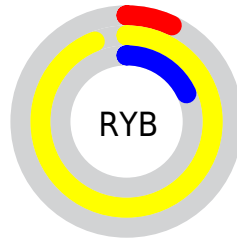
# Distribution



Red (84%)

Green (94%)

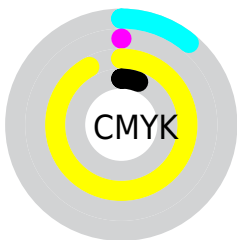
Blue (7%)



Red (7%)

Yellow (94%)

Blue (18%)

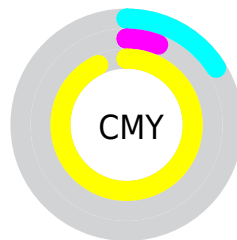


Cyan (11%)

Magenta (0%)

Yellow (92%)

Black (6%)



Cyan (16%)

Magenta (6%)


Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6633, 0.3988, 0.5181 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 76.6633, 0.3988, 0.5181 by changing the saturation by 10% instead.




 76.6633, 0.3988,  
0.5181


 76.6633, 0.3988,  
0.5181


483.6153, 0.3695,  
0.4350

 56.9766, 0.4019,  
0.5342


 128.6641, 0.3914,  
0.4913


 40.9864, 0.4038,  
0.5521


 161.7469, 0.3877,  
0.4802


 28.3085, 0.4033,  
0.5717


 200.0639, 0.3842,  
0.4704

 18.5583, 0.4020,  
0.5978


 243.9995, 0.3808,  
0.4617

 11.3516, 0.3863,  
0.6137

 293.9380, 0.3777,  
0.4539

 6.3038, 0.3635,  
0.6365


 350.2639, 0.3747,


 3.0307, 0.3279,

0.4469


0.6721


413.3615, 0.3720,  
0.4406


 1.1478, 0.2134,  
0.7866

 0.0184, 0.0000,  
1.0000


 76.6633, 0.3988,  
0.5181


 76.6633, 0.3988,  
0.5181

 76.2889, 0.3985,  
0.5218

 77.2219, 0.3974,  
0.5101

 77.8877, 0.3934,  
0.4975

 78.6801, 0.3867,  
0.4806

 79.6122, 0.3778,  
0.4599

■ 80.6957, 0.3669,  
0.4364

■ 81.9406, 0.3547,  
0.4111

■ 83.3562, 0.3417,  
0.3851

■ 84.9512, 0.3285,  
0.3592

■ 86.7335, 0.3155,  
0.3342

# Harmonies

## Analogous

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



76.6633, 0.4805, 0.4552



76.6633, 0.3988, 0.5181



76.6633, 0.3016, 0.5225

# Triad

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



76.6633, 0.3988, 0.5181



76.6633, 0.1391, 0.2219



76.6633, 0.4041, 0.2477

# Complementary

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



76.6633, 0.3988, 0.5181



7.3073, 0.1588, 0.0681

# 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.



76.6633, 0.2925, 0.2007



76.6633, 0.3988, 0.5181



76.6633, 0.1556, 0.1825

# Square

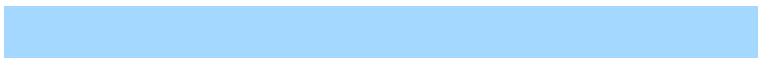
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6633, 0.3988, 0.5181



76.6633, 0.1561, 0.3077



76.6633, 0.2056, 0.1776



76.6633, 0.4959, 0.3106



# Rectangle

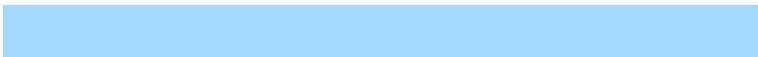
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6633, 0.3988, 0.5181



76.6633, 0.2394, 0.4709



76.6633, 0.2056, 0.1776



76.6633, 0.3663, 0.2297

# Sweetspot

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



76.6668, 0.3988, 0.5181



94.6668, 0.3495, 0.4006



20.4237, 0.6163, 0.3404



20.1178, 0.3550, 0.4118



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.



76.6668, 0.3988, 0.5181



87.5318, 0.3984, 0.5219



65.2903, 0.3255, 0.5752



18.3592, 0.3250, 0.3525



41.7984, 0.3988, 0.5215



3.5037, 0.4017, 0.5193



# Inverse Universe

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



7.3073, 0.1588, 0.0681



7.4956, 0.1534, 0.0619



13.7444, 0.2328, 0.1084



15.3177, 0.2998, 0.3047



3.6098, 0.1543, 0.0624

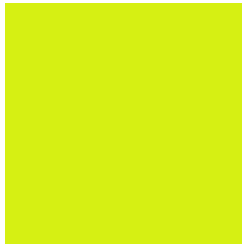


0.3291, 0.1629, 0.0671



# Previews

## White Background



This preview shows how the Yxy color 76.6633, 0.3988, 0.5181 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

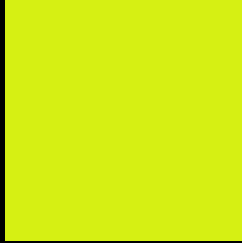
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.6633, 0.3988, 0.5181 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 76.6633, 0.3988, 0.5181**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.6633, 0.3988, 0.5181.



This preview shows how white text looks on a background with the Yxy color 76.6633, 0.3988, 0.5181.

# 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

76.6633, 0.3988, 0.5181

### Protanopia

76.3137, 0.4369, 0.4832

### Deuteranopia

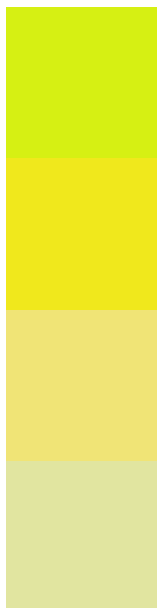
76.0289, 0.3708, 0.3772



## Tritanopia

76.2820, 0.3074, 0.3104

# Trichromacy



## Original Color

76.6633, 0.3988, 0.5181

## Protanomaly

76.3223, 0.4228, 0.4965

## Deuteranomaly

75.3201, 0.3928, 0.4420

## Tritanomaly

74.5842, 0.3551, 0.4049

# Monochromacy



## Original Color

76.6633, 0.3988, 0.5181

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

66.2288, 0.3603, 0.4218

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.6633, 0.3988, 0.5181 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(214, 240, 19)` looks like.

```
.text, #text, p{  
    color:rgb(214, 240, 19)  
}
```

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(214, 240, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 240, 19) }
```

## Border

The CSS property to change the border of an element to Yxy 76.6633, 0.3988, 0.5181 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(214, 240, 19) }
```

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

```
.border{ border-color:rgb(214, 240, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 240, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 240, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 240, 19);  
box-shadow:4px 4px 4px 4px rgb(214, 240,  
19) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.6633, 0.3988, 0.5181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 240, 19) }
```

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

```
.background{ background-color: rgb(214,  
240, 19) }
```

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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