

# Converting Colors

$Yxy(82.9727, 0.3689, 0.5265)$

Have a look what the booklet for  
Yxy(82.9727, 0.3689, 0.5265)  
contains.

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**Color**

**Yxy(82.9928, 0.3691, 0.5266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0FF36
RGB	192, 255, 54
RGB Percent	75%, 100%, 21%
CMY	0.2469, 0.0000, 0.7884
CMYK	0.25, 0.00, 0.79, 0.00
HSL	79°, 100%, 61%
HSV	79°, 79%, 100%
XYZ	58.1706, 82.9928, 16.4378
YIQ	213.2490, 26.9730, -75.8670

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	54, 255, 117
Decimal	12648246
CIELab	93.01, -45.36, 81.46
CIELCh	93, 93.236, 119.113
Yxy	82.9928, 0.3691, 0.5266
Android (android.graphics.Color)	4290838326 (0xFFC0FF36)
YUV	213.2490, -78.5098, -18.6354
Hunter-Lab	91.1004, -45.4475, 53.0722

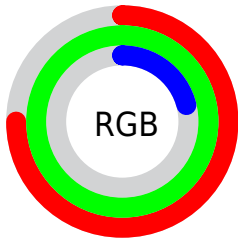
# Details

The Yxy color **82.9928, 0.3691, 0.5266** is a light color, and the websafe version is hex **CCFF33**.

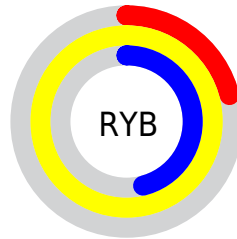
The color can be described as light washed yellow. A complement of this color would be **13.6316, 0.1960, 0.1001**, and the grayscale version is **67.2420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4998, 0.3891, 0.4599**, and **45.3747, 0.3623, 0.5505** is the 20% darker color. If you saturate the color by 10%, you get **81.8019, 0.3679, 0.5398**, and if you desaturate by 10%, it is **84.3730, 0.3677, 0.5084**.

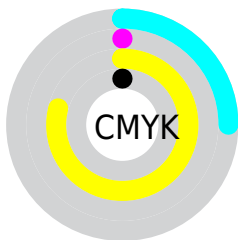
# Distribution



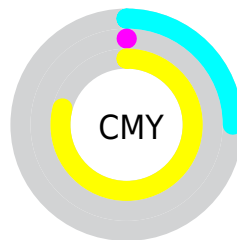
- Red (75%)
- Green (100%)
- Blue (21%)



- Red (21%)
- Yellow (100%)
- Blue (46%)



- Cyan (25%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9928, 0.3691, 0.5266 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 82.9928, 0.3691, 0.5266 by changing the saturation by 10% instead.




 82.9928, 0.3691,  
0.5266


 82.9928, 0.3691,  
0.5266


504.9625, 0.3526,  
0.4366

 62.1842, 0.3699,  
0.5452


 137.5654, 0.3657,  
0.4966

 45.1816, 0.3694,  
0.5669


 172.0982, 0.3637,  
0.4846

 31.6005, 0.3663,  
0.5918


 211.9745, 0.3616,  
0.4740

 21.0565, 0.3590,  
0.6205

 257.5787, 0.3596,  
0.4647

 13.1653, 0.3452,  
0.6548

 309.2952, 0.3577,  
0.4564

 7.5425, 0.3152,  
0.6848

367.5084, 0.3559,

 3.8036, 0.2701,

0.4491

0.7299

432.6027, 0.3542,  
0.4425

■ 1.5643, 0.1433,  
0.8567

■ 0.3334, 0.0000,  
1.0000

■ 82.9928, 0.3691,  
0.5266

■ 82.9928, 0.3691,  
0.5266

■ 81.8019, 0.3679,  
0.5398

■ 84.3730, 0.3677,  
0.5084


■ 80.7633, 0.3645,  
0.5483


■ 85.9496, 0.3638,  
0.4861


■ 80.6489, 0.3641,  
0.5491

■ 87.7416, 0.3577,  
0.4606

■ 89.7626, 0.3499,  
0.4332

 92.0248, 0.3409,  
0.4052

 94.5395, 0.3313,  
0.3776

 97.3172, 0.3214,  
0.3511

99.9990, 0.3127,  
0.3290

# Harmonies

## Analogous

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



82.9928, 0.4571, 0.4765



82.9928, 0.3691, 0.5266



82.9928, 0.2723, 0.5016

# Triad

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



82.9928, 0.3691, 0.5266



82.9928, 0.1422, 0.2064



82.9928, 0.4362, 0.2667

# Complementary

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



82.9928, 0.3691, 0.5266



13.6316, 0.1960, 0.1001

# 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.



82.9928, 0.3259, 0.2140



82.9928, 0.3691, 0.5266



82.9928, 0.1686, 0.1790

# Square

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



82.9928, 0.3691, 0.5266



82.9928, 0.1483, 0.2763



82.9928, 0.2295, 0.1832



82.9928, 0.5100, 0.3321



# Rectangle

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



82.9928, 0.3691, 0.5266



82.9928, 0.2151, 0.4335



82.9928, 0.2295, 0.1832



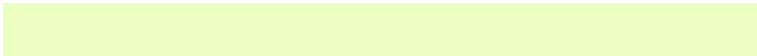
82.9928, 0.4008, 0.2472

# Sweetspot

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



82.9965, 0.3691, 0.5266



93.2104, 0.3363, 0.3918



33.6224, 0.5387, 0.3777



19.7629, 0.3397, 0.4017



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.



82.9965, 0.3691, 0.5266



81.1479, 0.3660, 0.5455



74.1737, 0.3137, 0.5668



20.7887, 0.3220, 0.3528



42.2244, 0.3650, 0.5484



4.1694, 0.3713, 0.5434



# Inverse Universe

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



13.6316, 0.1960, 0.1001



9.6065, 0.1752, 0.0755



24.2705, 0.2811, 0.1441



17.6537, 0.3028, 0.3048



4.7300, 0.1716, 0.0719

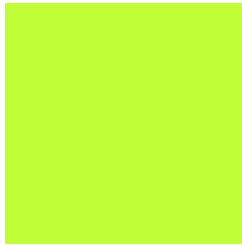


0.5157, 0.1835, 0.0785



# Previews

## White Background



This preview shows how the Yxy color 82.9928, 0.3691, 0.5266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

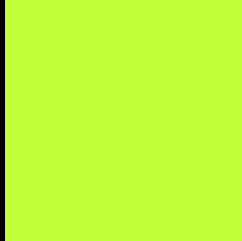
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.9928, 0.3691, 0.5266 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 82.9928, 0.3691, 0.5266**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.9928, 0.3691, 0.5266.

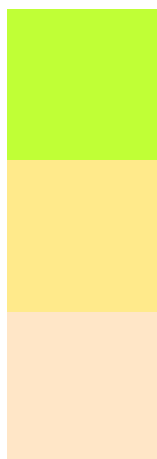


This preview shows how white text looks on a background with the Yxy color 82.9928, 0.3691, 0.5266.

# 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

82.9928, 0.3691, 0.5266

### Protanopia

81.9697, 0.3891, 0.4235

### Deuteranopia

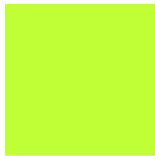
81.9771, 0.3510, 0.3604



## Tritanopia

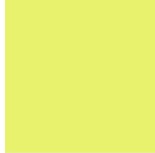
82.3873, 0.2887, 0.3103

# Trichromacy



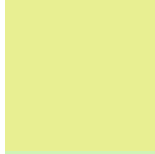
## Original Color

82.9928, 0.3691, 0.5266



## Protanomaly

81.7428, 0.3851, 0.4648



## Deuteranomaly

80.9641, 0.3659, 0.4273



## Tritanomaly

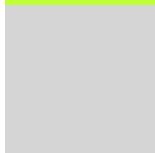
81.3442, 0.3256, 0.3981

# Monochromacy



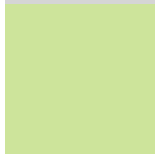
## Original Color

82.9928, 0.3691, 0.5266



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

70.8325, 0.3436, 0.4136

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9928, 0.3691, 0.5266 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, 255, 54)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 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(192, 255, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 54) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9928, 0.3691, 0.5266 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, 255, 54) }
```

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

```
.border{ border-color:rgb(192, 255, 54) }
```

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

Here you see how a box with a 4 pixel rgb(192, 255, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 54);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
54) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.9928, 0.3691, 0.5266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 54) }
```

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

```
.background{ background-color: rgb(192,  
255, 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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