

# Converting Colors

$Yxy(51.9107, 0.4119, 0.4942)$

Have a look what the booklet for  
Yxy(51.9107, 0.4119, 0.4942)  
contains.

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# Color

**Yxy(51.8284, 0.4116, 0.4946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4C529
RGB	196, 197, 41
RGB Percent	77%, 77%, 16%
CMY	0.2314, 0.2274, 0.8392
CMYK	0.01, 0.00, 0.79, 0.23
HSL	60°, 66%, 47%
HSV	60°, 79%, 77%
XYZ	43.1310, 51.8284, 9.8292
YIQ	178.9170, 49.4800, -48.7280

# Conversions

## Conversions Part 2

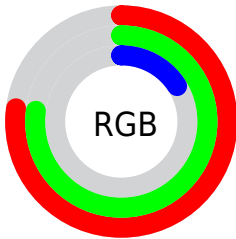
Format	Color
R <sub>Y</sub> B	41, 197, 42
Decimal	12895529
CIE Lab	77.18, -17.40, 70.93
CIE LCh	77, 73.037, 103.785
Yxy	51.8284, 0.4116, 0.4946
Android (android.graphics.Color)	4291085609 (0xFFC4C529)
YUV	178.9170, -67.9931, 14.9818
Hunter-Lab	71.9919, -19.0451, 42.2994

# Details

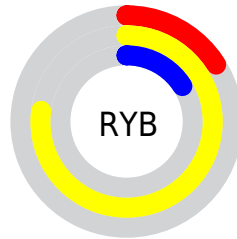
The Yxy color **51.8284, 0.4116, 0.4946** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted yellow. A complement of this color would be **6.1112, 0.1658, 0.0857**, and the grayscale version is **45.3842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4501, 0.3992, 0.4689**, and **25.3498, 0.4122, 0.5109** is the 20% darker color. If you saturate the color by 10%, you get **51.7088, 0.4159, 0.5021**, and if you desaturate by 10%, it is **52.0216, 0.4047, 0.4828**.

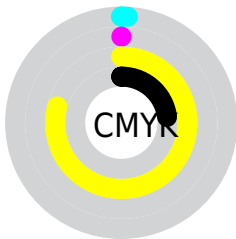
# Distribution



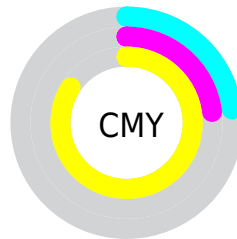
- Red (77%)
- Green (77%)
- Blue (16%)



- Red (16%)
- Yellow (77%)
- Blue (16%)



- Cyan (1%)
- Magenta (0%)
- Yellow (79%)
- Black (23%)




- Cyan (23%)
- Magenta (23%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8284, 0.4116, 0.4946 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 51.8284, 0.4116, 0.4946 by changing the saturation by 10% instead.





 51.8284, 0.4116,  
0.4946

 51.8284, 0.4116,  
0.4946


393.7738, 0.3709,  
0.4173

 36.8683, 0.4179,  
0.5104


 92.8781, 0.3996,  
0.4688

 25.1055, 0.4235,  
0.5283


 119.7365, 0.3942,  
0.4584


 16.1557, 0.4273,  
0.5480


 151.3299, 0.3893,  
0.4492

 9.6344, 0.4286,  
0.5714

 188.0425, 0.3849,  
0.4412

 5.1572, 0.4145,  
0.5855

 230.2588, 0.3809,  
0.4342

 2.3398, 0.3917,  
0.6083

 278.3632, 0.3772,

 0.7947, 0.2937,

0.4279

0.7063

332.7400, 0.3739,  
0.4223

0.0000, 0.0000,  
0.0000

51.8284, 0.4116,  
0.4946

51.8284, 0.4116,  
0.4946

51.7088, 0.4159,  
0.5021

52.0216, 0.4047,  
0.4828

51.6400, 0.4181,  
0.5059

52.2902, 0.3953,  
0.4670

51.6350, 0.4182,  
0.5061

52.6444, 0.3837,  
0.4475

53.0908, 0.3704,  
0.4252

53.6356, 0.3560,  
0.4012

■ 54.2843, 0.3411,  
0.3762

■ 55.0421, 0.3261,  
0.3513

■ 55.9138, 0.3115,  
0.3271

■ 56.9039, 0.2976,  
0.3039

# Harmonies

## Analogous

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



51.8284, 0.4800, 0.4353



51.8284, 0.4116, 0.4946



51.8284, 0.3231, 0.5089

# Triad

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



51.8284, 0.4116, 0.4946



51.8284, 0.1521, 0.2441



51.8284, 0.3758, 0.2440

# Complementary

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



51.8284, 0.4116, 0.4946



6.1112, 0.1658, 0.0857

# 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.



51.8284, 0.2764, 0.2038



51.8284, 0.4116, 0.4946



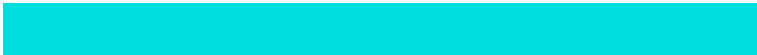
51.8284, 0.1613, 0.1984

# Square

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



51.8284, 0.4116, 0.4946



51.8284, 0.1761, 0.3319



51.8284, 0.2021, 0.1872



51.8284, 0.4663, 0.3012



# Rectangle

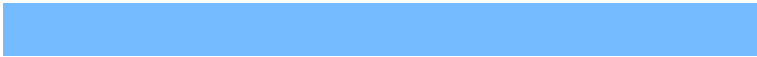
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.8284, 0.4116, 0.4946



51.8284, 0.2636, 0.4733



51.8284, 0.2021, 0.1872



51.8284, 0.3414, 0.2283

# Sweetspot

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



51.8308, 0.4116, 0.4946



96.5910, 0.3488, 0.3892



13.6183, 0.5866, 0.3298



20.5874, 0.3542, 0.3982



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.



51.8308, 0.4116, 0.4946



92.5121, 0.4175, 0.5050



44.0183, 0.3449, 0.5427



12.4134, 0.3264, 0.3518



33.9619, 0.4182, 0.5061



1.6092, 0.4185, 0.5059



# Inverse Universe

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



6.1112, 0.1658, 0.0857



7.5974, 0.1518, 0.0627



9.5411, 0.2262, 0.1168



10.2907, 0.2984, 0.3051



2.6583, 0.1502, 0.0601



0.1270, 0.1511, 0.0606



# Previews

## White Background



This preview shows how the Yxy color 51.8284, 0.4116, 0.4946 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 51.8284, 0.4116, 0.4946 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 51.8284, 0.4116, 0.4946**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.8284, 0.4116, 0.4946.



This preview shows how white text looks on a background with the Yxy color 51.8284, 0.4116, 0.4946.

# 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

51.8284, 0.4116, 0.4946

### Protanopia

51.7042, 0.4332, 0.4793

### Deuteranopia

51.6288, 0.4601, 0.4508



## Tritanopia

51.4995, 0.3228, 0.3112

# Trichromacy



## Original Color

51.8284, 0.4116, 0.4946

## Protanomaly

51.5585, 0.4250, 0.4849

## Deuteranomaly

51.4339, 0.4421, 0.4667

## Tritanomaly

50.7269, 0.3644, 0.3875

# Monochromacy



## Original Color

51.8284, 0.4116, 0.4946

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

47.0171, 0.3574, 0.4046

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.8284, 0.4116, 0.4946 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(196, 197, 41)` looks like.

```
.text, #text, p{  
    color:rgb(196, 197, 41)  
}
```

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(196, 197, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 197, 41) }
```

## Border

The CSS property to change the border of an element to Yxy 51.8284, 0.4116, 0.4946 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(196, 197, 41) }
```

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

```
.border{ border-color:rgb(196, 197, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 197, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 197, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 197, 41);  
box-shadow:4px 4px 4px 4px rgb(196, 197,  
41) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.8284, 0.4116, 0.4946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 197, 41) }
```

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

```
.background{ background-color: rgb(196,  
197, 41) }
```

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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