

# Converting Colors

$Y_{xy}(44.1725, 0.3059, 0.5727)$

Have a look what the booklet for  
Yxy(44.1725, 0.3059, 0.5727)  
contains.

<b>Yxy(44.1866, 0.3060, 0.5724)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(44.1866, 0.3060, 0.5724)**

# Conversions

## Conversions Part 1

Format	Color
Hex	38CC29
RGB	56, 204, 41
RGB Percent	22%, 80%, 16%
CMY	0.7807, 0.2000, 0.8390
CMYK	0.73, 0.00, 0.80, 0.20
HSL	115°, 66%, 48%
HSV	115°, 80%, 80%
XYZ	23.6218, 44.1866, 9.3870
YIQ	141.1660, -35.8850, -82.0690

# Conversions

## Conversions Part 2

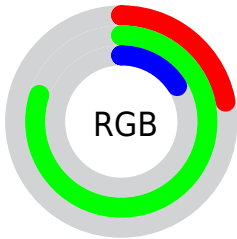
Format	Color
<b>RYB</b>	41, 204, 189
Decimal	3722281
CIELab	72.35, -66.47, 63.98
CIELCh	72, 92.260, 136.094
Yxy	44.1866, 0.3060, 0.5724
Android (android.graphics.Color)	4281912361 (0xFF38CC29)
YUV	141.1660, -49.3818, -74.6906
Hunter-Lab	66.4730, -52.8962, 38.1585

# Details

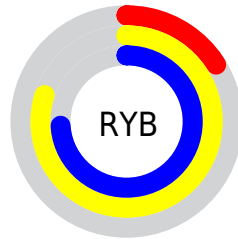
The Yxy color **44.1866, 0.3060, 0.5724** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **16.7878, 0.3025, 0.1552**, and the grayscale version is **26.9084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8001, 0.3148, 0.5198**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.6427, 0.3038, 0.5891**, and if you desaturate by 10%, it is **45.0057, 0.3081, 0.5479**.

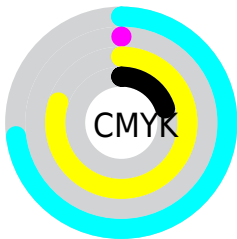
# Distribution



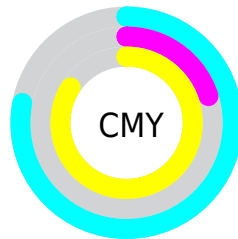
- Red (22%)
- Green (80%)
- Blue (16%)



- Red (16%)
- Yellow (80%)
- Blue (74%)



- Cyan (73%)
- Magenta (0%)
- Yellow (80%)
- Black (20%)




- Cyan (78%)
- Magenta (20%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1866, 0.3060, 0.5724 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 44.1866, 0.3060, 0.5724 by changing the saturation by 10% instead.



 44.1866, 0.3060,  
0.5724

 44.1866, 0.3060,  
0.5724

363.4692, 0.3199,  
0.4414


 30.8172, 0.2982,  
0.6056


 81.4985, 0.3141,  
0.5238


 20.4597, 0.2856,  
0.6471


 106.2097, 0.3162,  
0.5057

 12.7297, 0.2650,  
0.7002


 135.4704, 0.3176,  
0.4905

 7.2426, 0.2309,  
0.7691

 169.6650, 0.3185,  
0.4777

 3.6143, 0.1679,  
0.8321

 209.1777, 0.3191,  
0.4667

 1.4602, 0.0000,  
1.0000

 254.3931, 0.3195,

 0.2605, 0.0000,

0.4571

1.0000

305.6954, 0.3197,  
0.4488

■ 0.0000, 0.0000,  
0.0000

■ 44.1866, 0.3060,  
0.5724

■ 44.1866, 0.3060,  
0.5724

■ 43.6427, 0.3038,  
0.5891

■ 45.0057, 0.3081,  
0.5479

■ 43.3267, 0.3019,  
0.5984

■ 46.1239, 0.3099,  
0.5174

■ 43.3238, 0.3019,  
0.5985

■ 47.5690, 0.3113,  
0.4834

■ 49.3637, 0.3122,  
0.4484

■ 51.5290, 0.3128,  
0.4145

■ 54.0841, 0.3130,  
0.3828

■ 57.0469, 0.3129,  
0.3541

■ 60.4342, 0.3127,  
0.3287

■ 64.2617, 0.3124,  
0.3064

# Harmonies

## Analogous

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



44.1866, 0.4168, 0.5402



44.1866, 0.3060, 0.5724



44.1866, 0.2021, 0.4752

# Triad

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



44.1866, 0.3060, 0.5724



44.1866, 0.1290, 0.1625



44.1866, 0.5225, 0.2934

# Complementary

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



44.1866, 0.3060, 0.5724



16.7878, 0.3025, 0.1552

# 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.



44.1866, 0.4045, 0.2258



44.1866, 0.3060, 0.5724



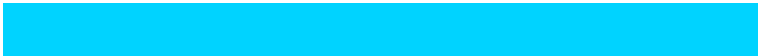
44.1866, 0.1787, 0.1547

# Square

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



44.1866, 0.3060, 0.5724



44.1866, 0.1147, 0.2095



44.1866, 0.2722, 0.1767



44.1866, 0.5590, 0.3691

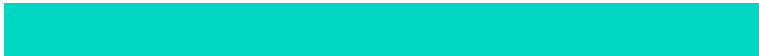


# Rectangle

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



44.1866, 0.3060, 0.5724



44.1866, 0.1524, 0.3665



44.1866, 0.2722, 0.1767



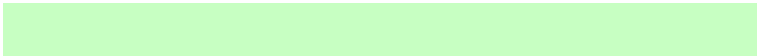
44.1866, 0.4898, 0.2697

# Sweetspot

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



44.1884, 0.3060, 0.5724



87.6005, 0.3129, 0.3965



48.8430, 0.4266, 0.4821



18.4296, 0.3128, 0.4081



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.



44.1884, 0.3060, 0.5724



71.8580, 0.3022, 0.5962



44.7077, 0.2766, 0.4922



12.5851, 0.3129, 0.3529



27.2842, 0.3023, 0.5982



1.4248, 0.3096, 0.5923



# Inverse Universe

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



16.7878, 0.3025, 0.1552



24.7099, 0.2986, 0.1428



16.2879, 0.4183, 0.2245



11.3497, 0.3123, 0.3061



9.2882, 0.2983, 0.1417

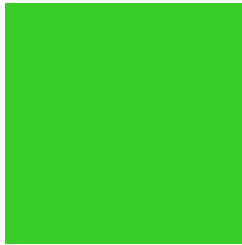


0.4947, 0.3030, 0.1443



# Previews

## White Background



This preview shows how the Yxy color 44.1866, 0.3060, 0.5724 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 44.1866, 0.3060, 0.5724 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

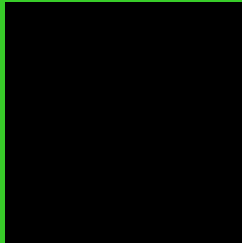
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.1866, 0.3060, 0.5724**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.1866, 0.3060, 0.5724.



This preview shows how white text looks on a background with the Yxy color 44.1866, 0.3060, 0.5724.

# 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

44.1866, 0.3060, 0.5724

### Protanopia

43.1719, 0.4342, 0.4794

### Deuteranopia

43.1688, 0.4528, 0.4430



## Tritanopia

43.8873, 0.2420, 0.3072

# Trichromacy



## Original Color

44.1866, 0.3060, 0.5724



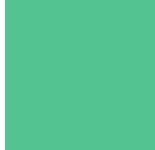
## Protanomaly

41.3624, 0.3752, 0.5218



## Deuteranomaly

40.3640, 0.3872, 0.4972



## Tritanomaly

42.9135, 0.2693, 0.4099

# Monochromacy



## Original Color

44.1866, 0.3060, 0.5724



## Achromatopsia

26.6356, 0.3127, 0.3290



## Achromatomaly

30.8858, 0.3122, 0.4332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.1866, 0.3060, 0.5724 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(56, 204, 41)` looks like.

```
.text, #text, p{  
    color:rgb(56, 204, 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(56, 204, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 204, 41) }
```

## Border

The CSS property to change the border of an element to Yxy 44.1866, 0.3060, 0.5724 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(56, 204, 41) }
```

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

```
.border{ border-color:rgb(56, 204, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 204, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 204, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 204, 41);  
box-shadow:4px 4px 4px 4px rgb(56, 204,  
41) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.1866, 0.3060, 0.5724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 204, 41) }
```

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

```
.background{ background-color: rgb(56, 204,  
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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