

# Converting Colors

$Y_{xy}(41.7642, 0.3023, 0.5514)$

Have a look what the booklet for  
Yxy(41.7642, 0.3023, 0.5514)  
contains.

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**Color**

**Yxy(41.6751, 0.3023, 0.5508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3CC63C
RGB	60, 198, 60
RGB Percent	24%, 78%, 24%
CMY	0.7647, 0.2235, 0.7646
CMYK	0.70, 0.00, 0.70, 0.22
HSL	120°, 55%, 51%
HSV	120°, 70%, 78%
XYZ	22.8729, 41.6751, 11.1149
YIQ	141.0060, -37.9500, -72.1740

# Conversions

## Conversions Part 2

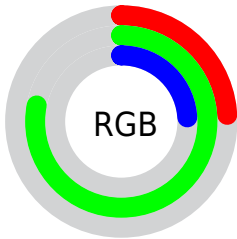
Format	Color
<a href="#">RYB</a>	<a href="#">60, 198, 198</a>
Decimal	<a href="#">3982908</a>
CIELab	<a href="#">70.65, -62.47, 55.92</a>
CIELCh	<a href="#">71, 83.844, 138.169</a>
Yxy	<a href="#">41.6751, 0.3023, 0.5508</a>
Android (android.graphics.Color)	<a href="#">4282172988 (0xFF3CC63C)</a>
YUV	<a href="#">141.0060, -39.9360, -71.0423</a>
Hunter-Lab	<a href="#">64.5563, -49.7292, 34.9812</a>

# Details

The Yxy color **41.6751, 0.3023, 0.5508** 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 **19.3132, 0.3199, 0.1761**, and the grayscale version is **26.8094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1705, 0.3100, 0.5047**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.9997, 0.3012, 0.5752**, and if you desaturate by 10%, it is **42.6628, 0.3037, 0.5199**.

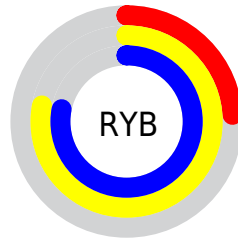
# Distribution



Red (24%)

Green (78%)

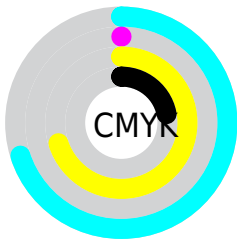
Blue (24%)



Red (24%)

Yellow (78%)

Blue (78%)

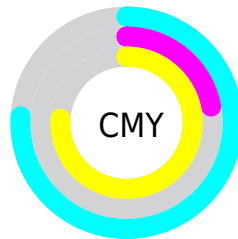


Cyan (70%)

Magenta (0%)

Yellow (70%)

Black (22%)



Cyan (76%)

Magenta (22%)


Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6751, 0.3023, 0.5508 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 41.6751, 0.3023, 0.5508 by changing the saturation by 10% instead.





 41.6751, 0.3023,  
0.5508


 41.6751, 0.3023,  
0.5508


353.1343, 0.3158,  
0.4296


 28.8470, 0.2954,  
0.5828


 77.7077, 0.3097,  
0.5050


 18.9651, 0.2842,  
0.6239


 101.6809, 0.3117,  
0.4883


 11.6451, 0.2652,  
0.6772


 130.1379, 0.3131,  
0.4743

 6.5025, 0.2374,  
0.7626

 163.4632, 0.3141,  
0.4625

 3.1530, 0.1704,  
0.8296

 202.0411, 0.3147,  
0.4525

 1.2121, 0.0000,  
1.0000

246.2560, 0.3152,

 0.0716, 0.0000,

0.4438

1.0000

296.4923, 0.3156,  
0.4363

■ 0.0000, 0.0000,  
0.0000

■ 41.6751, 0.3023,  
0.5508

■ 41.6751, 0.3023,  
0.5508

■ 40.9997, 0.3012,  
0.5752

■ 42.6628, 0.3037,  
0.5199

■ 40.5950, 0.3004,  
0.5914

■ 43.9886, 0.3054,  
0.4852


■ 40.3953, 0.3000,  
0.5998


■ 45.6814, 0.3071,  
0.4494


■ 40.3902, 0.3000,  
0.6000

■ 47.7655, 0.3087,  
0.4148

■ 50.2633, 0.3102,  
0.3826

 53.1954, 0.3116,  
0.3537

 56.5811, 0.3127,  
0.3283

 60.4385, 0.3138,  
0.3062

 64.7846, 0.3147,  
0.2872

# Harmonies

## Analogous

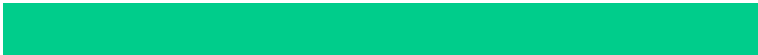
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.6751, 0.4077, 0.5333



41.6751, 0.3023, 0.5508



41.6751, 0.2047, 0.4533

# Triad

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



41.6751, 0.3023, 0.5508



41.6751, 0.1405, 0.1702



41.6751, 0.5130, 0.3022

# Complementary

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



41.6751, 0.3023, 0.5508



19.3132, 0.3199, 0.1761

# 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.



41.6751, 0.4073, 0.2362



41.6751, 0.3023, 0.5508



41.6751, 0.1912, 0.1642

# Square

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



41.6751, 0.3023, 0.5508



41.6751, 0.1246, 0.2132



41.6751, 0.2832, 0.1873



41.6751, 0.5433, 0.3761

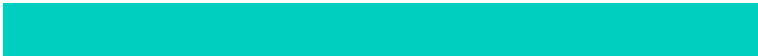


# Rectangle

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



41.6751, 0.3023, 0.5508



41.6751, 0.1587, 0.3549



41.6751, 0.2832, 0.1873



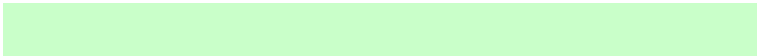
41.6751, 0.4842, 0.2790

# Sweetspot

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



41.6768, 0.3023, 0.5508



88.2387, 0.3100, 0.3876



52.7226, 0.4059, 0.4831



18.6125, 0.3095, 0.3964



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.



41.6768, 0.3023, 0.5508



72.1463, 0.3007, 0.5853



42.9353, 0.2693, 0.4443



11.8879, 0.3116, 0.3529



26.2655, 0.3000, 0.6000



1.2437, 0.3000, 0.5999



# Inverse Universe

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



19.3132, 0.3199, 0.1761



30.0496, 0.3207, 0.1604



16.8218, 0.4234, 0.2467



10.8166, 0.3138, 0.3062



10.4581, 0.3210, 0.1542

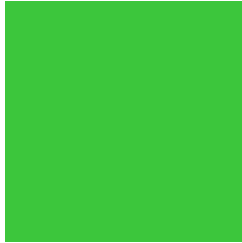


0.4952, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 41.6751, 0.3023, 0.5508 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 41.6751, 0.3023, 0.5508 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 41.6751, 0.3023, 0.5508**

## Background



This preview shows how black text looks on a background with the Yxy color 41.6751, 0.3023, 0.5508.



This preview shows how white text looks on a background with the Yxy color 41.6751, 0.3023, 0.5508.

# 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

41.6751, 0.3023, 0.5508

### Protanopia

40.9686, 0.4248, 0.4686

### Deuteranopia

40.8084, 0.4422, 0.4326



## Tritanopia

41.4647, 0.2427, 0.3067

# Trichromacy



## Original Color

41.6751, 0.3023, 0.5508



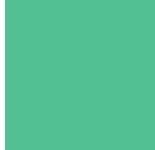
## Protanomaly

39.2626, 0.3694, 0.5046



## Deuteranomaly

38.6361, 0.3789, 0.4804



## Tritanomaly

40.8817, 0.2663, 0.3959

# Monochromacy



## Original Color

41.6751, 0.3023, 0.5508



## Achromatopsia

26.6356, 0.3127, 0.3290



## Achromatomaly

30.4553, 0.3086, 0.4172

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.6751, 0.3023, 0.5508 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(60, 198, 60)` looks like.

```
.text, #text, p{  
    color:rgb(60, 198, 60)  
}
```

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(60, 198, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 198, 60) }
```

## Border

The CSS property to change the border of an element to Yxy 41.6751, 0.3023, 0.5508 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(60, 198, 60) }
```

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

```
.border{ border-color:rgb(60, 198, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 198, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 198, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 198, 60);  
box-shadow:4px 4px 4px 4px rgb(60, 198,  
60) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.6751, 0.3023, 0.5508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 198, 60) }
```

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

```
.background{ background-color: rgb(60, 198,  
60) }
```

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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