

Converting Colors

$Y_{xy}(45.5068, 0.2896, 0.5129)$

Have a look what the booklet for
Yxy(45.5068, 0.2896, 0.5129)
contains.

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Color

Yxy(45.3960, 0.2894, 0.5126)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 3CCD5C |
| RGB | 60, 205, 92 |
| RGB Percent | 24%, 80%, 36% |
| CMY | 0.7644, 0.1961, 0.6392 |
| CMYK | 0.71, 0.00, 0.55, 0.20 |
| HSL | 133°, 59%, 52% |
| HSV | 133°, 71%, 80% |
| XYZ | 25.6293, 45.3960, 17.5349 |
| YIQ | 148.7630, -50.1470, -65.8830 |

Conversions

Conversions Part 2

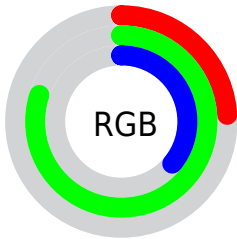
| Format | Color |
|-------------------------------------|--|
| RYB | 60, 179, 205 |
| Decimal | 3984732 |
| CIELab | 73.15, -61.25, 44.90 |
| CIELCh | 73, 75.943, 143.758 |
| Yxy | 45.3960, 0.2894, 0.5126 |
| Android (android.graphics.Color) | 4282174812 (0xFF3CCD5C) |
| YUV | 148.7630, -27.9842, -77.8452 |
| Hunter-Lab | 67.3766, -50.0094, 31.7332 |

Details

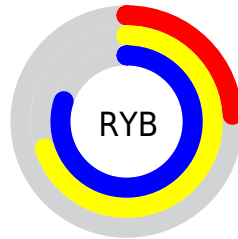
The Yxy color **45.3960, 0.2894, 0.5126** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **19.2381, 0.3613, 0.2024**, and the grayscale version is **30.0942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0000, 0.2968, 0.4679**, and **21.6481, 0.2900, 0.5641** is the 20% darker color. If you saturate the color by 10%, you get **44.6269, 0.2898, 0.5389**, and if you desaturate by 10%, it is **46.4751, 0.2904, 0.4839**.

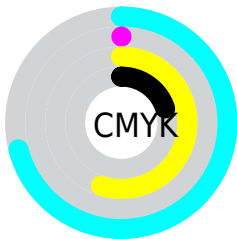
Distribution



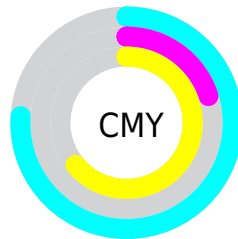
- Red (24%)
- Green (80%)
- Blue (36%)



- Red (24%)
- Yellow (70%)
- Blue (80%)



- Cyan (71%)
- Magenta (0%)
- Yellow (55%)
- Black (20%)




- Cyan (76%)
- Magenta (20%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3960, 0.2894, 0.5126 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 45.3960, 0.2894, 0.5126 by changing the saturation by 10% instead.


 45.3960, 0.2894,
0.5126

 45.3960, 0.2894,
0.5126


368.3750, 0.3063,
0.4130


 31.7695, 0.2832,
0.5394


 83.3143, 0.2970,
0.4748


 21.1855, 0.2739,
0.5745


 108.3749, 0.2994,
0.4611

 13.2596, 0.2593,
0.6220


 138.0156, 0.3012,
0.4496

 7.6076, 0.2348,
0.6877

 172.6209, 0.3027,
0.4400

 3.8449, 0.1973,
0.8027

 212.5750, 0.3039,
0.4317

 1.5872, 0.0000,
1.0000

258.2625, 0.3049,

 0.3489, 0.0000,

0.4246

1.0000

310.0677, 0.3057,
0.4184

■ 0.0000, 0.0000,
0.0000

■ 45.3960, 0.2894,
0.5126

■ 45.3960, 0.2894,
0.5126

■ 44.6269, 0.2898,
0.5389

■ 46.4751, 0.2904,
0.4839

■ 44.1281, 0.2914,
0.5612

■ 47.8874, 0.2926,
0.4543


■ 43.8531, 0.2937,
0.5774


■ 49.6605, 0.2957,
0.4254

■ 51.8173, 0.2995,
0.3980

■ 54.3789, 0.3037,
0.3729

 57.3647, 0.3081,
0.3503

 60.7931, 0.3124,
0.3303

 64.6811, 0.3167,
0.3127

 69.0450, 0.3207,
0.2974

Harmonies

Analogous

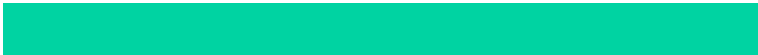
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3960, 0.3860, 0.5208



45.3960, 0.2894, 0.5126



45.3960, 0.2041, 0.4140

Triad

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



45.3960, 0.2894, 0.5126



45.3960, 0.1619, 0.1818



45.3960, 0.5009, 0.3200

Complementary

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



45.3960, 0.2894, 0.5126



19.2381, 0.3613, 0.2024

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.



45.3960, 0.4172, 0.2563



45.3960, 0.2894, 0.5126



45.3960, 0.2163, 0.1808

Square

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



45.3960, 0.2894, 0.5126



45.3960, 0.1413, 0.2159



45.3960, 0.3067, 0.2070



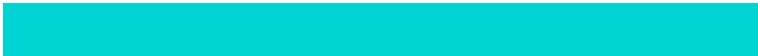
45.3960, 0.5170, 0.3905

Rectangle

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



45.3960, 0.2894, 0.5126



45.3960, 0.1660, 0.3310



45.3960, 0.3067, 0.2070



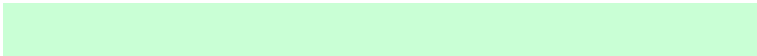
45.3960, 0.4793, 0.2978

Sweetspot

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



45.3979, 0.2894, 0.5126



88.8166, 0.3035, 0.3743



52.9420, 0.3798, 0.5025



18.7469, 0.3023, 0.3811



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.



45.3979, 0.2894, 0.5126



72.6087, 0.2905, 0.5515



47.3033, 0.2526, 0.3932



12.5768, 0.3086, 0.3476



27.3122, 0.2931, 0.5753



1.4207, 0.2825, 0.5372

Inverse Universe

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



19.2381, 0.3613, 0.2024



27.1797, 0.3748, 0.1913



17.1603, 0.4824, 0.2840



11.3598, 0.3171, 0.3111



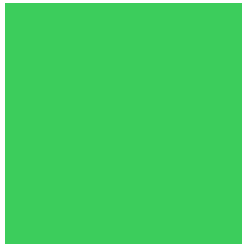
9.6713, 0.3853, 0.1896



0.5097, 0.3703, 0.1814

Previews

White Background



This preview shows how the Yxy color 45.3960, 0.2894, 0.5126 looks on a white background.

Color Contrast Check

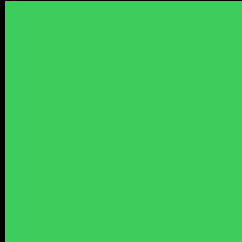
Large Text (above 18pt) WCAG AA × Fail

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 45.3960, 0.2894, 0.5126 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 45.3960, 0.2894, 0.5126

Background



This preview shows how black text looks on a background with the Yxy color 45.3960, 0.2894, 0.5126.

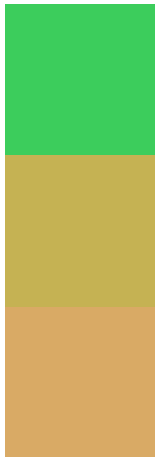


This preview shows how white text looks on a background with the Yxy color 45.3960, 0.2894, 0.5126.

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

45.3960, 0.2894, 0.5126

Protanopia

44.3356, 0.4073, 0.4458

Deuteranopia

44.4407, 0.4187, 0.4104



Tritanopia

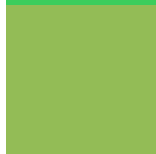
45.2354, 0.2405, 0.3074

Trichromacy



Original Color

45.3960, 0.2894, 0.5126



Protanomaly

42.8414, 0.3524, 0.4763



Deuteranomaly

42.2224, 0.3586, 0.4502



Tritanomaly

44.5705, 0.2582, 0.3772

Monochromacy



Original Color

45.3960, 0.2894, 0.5126



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

33.7164, 0.3000, 0.3979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3960, 0.2894, 0.5126 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, 205, 92)` looks like.

```
.text, #text, p{  
    color:rgb(60, 205, 92)  
}
```

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, 205, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 205, 92) }
```

Border

The CSS property to change the border of an element to Yxy 45.3960, 0.2894, 0.5126 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, 205, 92) }
```

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

```
.border{ border-color:rgb(60, 205, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 205, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 205, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 205, 92);  
box-shadow:4px 4px 4px 4px rgb(60, 205,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3960, 0.2894, 0.5126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 205, 92) }
```

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

```
.background{ background-color: rgb(60, 205,  
92) }
```

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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