

# Converting Colors

Yxy(56.8932, 0.2863, 0.5018)

Have a look what the booklet for  
Yxy(56.8932, 0.2863, 0.5018)  
contains.

<b>Yxy(56.7474, 0.2863, 0.5016)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**$\text{Yxy}(56.7474, 0.2863, 0.5016)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	44E26E
RGB	68, 226, 110
RGB Percent	27%, 89%, 43%
CMY	0.7337, 0.1137, 0.5687
CMYK	0.70, 0.00, 0.51, 0.11
HSL	136°, 73%, 58%
HSV	136°, 70%, 89%
XYZ	32.3899, 56.7474, 23.9955
YIQ	165.5340, -56.9320, -69.5720

# Conversions

## Conversions Part 2

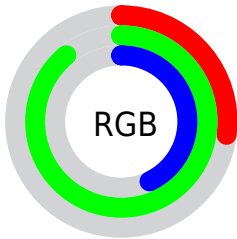
Format	Color
<a href="#">RYB</a>	<a href="#">68, 193, 226</a>
Decimal	<a href="#">4514414</a>
CIELab	<a href="#">80.04, -64.71, 44.78</a>
CIELCh	<a href="#">80, 78.692, 145.319</a>
Yxy	<a href="#">56.7474, 0.2863, 0.5016</a>
Android (android.graphics.Color)	<a href="#">4282704494</a> ( <a href="#">0xFF44E26E</a> )
YUV	<a href="#">165.5340, -27.3783, -85.5373</a>
Hunter-Lab	<a href="#">75.3309, -55.0796, 33.8457</a>

# Details

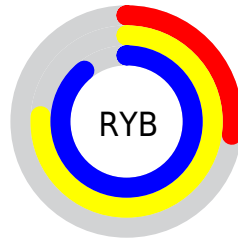
The Yxy color **56.7474, 0.2863, 0.5016** is a dark color, and the websafe version is hex **00CC66**. The color can be described as middle muted spring green. A complement of this color would be **23.7524, 0.3707, 0.2093**, and the grayscale version is **38.0413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3512, 0.2923, 0.4421**, and **28.6814, 0.2854, 0.5475** is the 20% darker color. If you saturate the color by 10%, you get **55.7608, 0.2866, 0.5277**, and if you desaturate by 10%, it is **58.1192, 0.2875, 0.4737**.

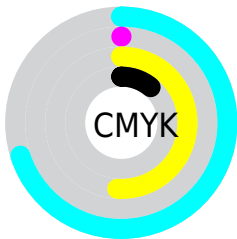
# Distribution



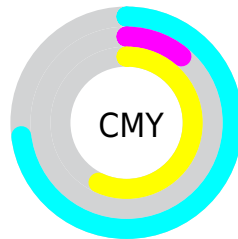
- Red (27%)
- Green (89%)
- Blue (43%)



- Red (27%)
- Yellow (76%)
- Blue (89%)



- Cyan (70%)
- Magenta (0%)
- Yellow (51%)
- Black (11%)




- Cyan (73%)
- Magenta (11%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7474, 0.2863, 0.5016 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 56.7474, 0.2863, 0.5016 by changing the saturation by 10% instead.




 56.7474, 0.2863,  
0.5016


 56.7474, 0.2863,  
0.5016


412.5021, 0.3036,  
0.4112

 40.8025, 0.2806,  
0.5249


 100.0965, 0.2936,  
0.4681

 28.1648, 0.2726,  
0.5549


 128.2695, 0.2960,  
0.4557

 18.4499, 0.2607,  
0.5947


 161.2873, 0.2980,  
0.4452

 11.2735, 0.2420,  
0.6489

 199.5343, 0.2996,  
0.4364

 6.2511, 0.2124,  
0.7303

243.3948, 0.3008,  
0.4288

 2.9984, 0.1499,  
0.8501

293.2534, 0.3019,

 1.1309, 0.0000,

0.4221

1.0000

349.4944, 0.3029,  
0.4163

■ 0.0041, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.7474, 0.2863,  
0.5016

■ 56.7474, 0.2863,  
0.5016

■ 55.7608, 0.2866,  
0.5277

■ 58.1192, 0.2875,  
0.4737

■ 55.1102, 0.2885,  
0.5506

■ 59.9049, 0.2900,  
0.4455

■ 54.7276, 0.2915,  
0.5692


■ 62.1383, 0.2936,  
0.4181


■ 54.7260, 0.2915,  
0.5693


■ 64.8477, 0.2979,  
0.3924

 68.0592, 0.3027,  
0.3689

 71.7968, 0.3077,  
0.3477

 76.0830, 0.3127,  
0.3289

 80.9390, 0.3177,  
0.3124

 82.8781, 0.3140,  
0.3009

# Harmonies

## Analogous

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



56.7474, 0.3801, 0.5157



56.7474, 0.2863, 0.5016



56.7474, 0.2046, 0.4043

# Triad

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



56.7474, 0.2863, 0.5016



56.7474, 0.1682, 0.1855



56.7474, 0.4965, 0.3247

# Complementary

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



56.7474, 0.2863, 0.5016



23.7524, 0.3707, 0.2093

# 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.



56.7474, 0.4187, 0.2618



56.7474, 0.2863, 0.5016



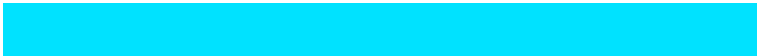
56.7474, 0.2232, 0.1858

# Square

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



56.7474, 0.2863, 0.5016



56.7474, 0.1465, 0.2172



56.7474, 0.3125, 0.2127



56.7474, 0.5093, 0.3938



# Rectangle

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



56.7474, 0.2863, 0.5016



56.7474, 0.1686, 0.3257



56.7474, 0.3125, 0.2127



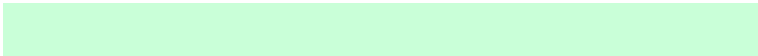
56.7474, 0.4768, 0.3028

# Sweetspot

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



56.7497, 0.2863, 0.5016



88.9425, 0.3021, 0.3715



65.3146, 0.3756, 0.5047



18.7764, 0.3008, 0.3779



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.



56.7497, 0.2863, 0.5016



72.8656, 0.2873, 0.5387



59.1900, 0.2503, 0.3848



15.3969, 0.3080, 0.3467



31.2349, 0.2908, 0.5667



2.1797, 0.2823, 0.5363



# Inverse Universe

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



23.7524, 0.3707, 0.2093



26.9088, 0.3868, 0.1993



21.3654, 0.4897, 0.2898



13.8701, 0.3178, 0.3120



10.8125, 0.4017, 0.1987

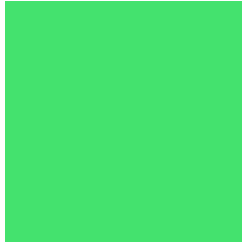


0.7640, 0.3865, 0.1903



# Previews

## White Background



This preview shows how the Yxy color 56.7474, 0.2863, 0.5016 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 56.7474, 0.2863, 0.5016 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 56.7474, 0.2863, 0.5016**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7474, 0.2863, 0.5016.

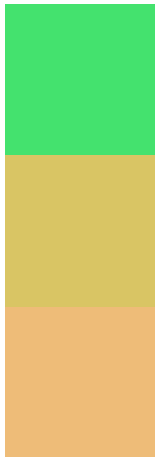


This preview shows how white text looks on a background with the Yxy color 56.7474, 0.2863, 0.5016.

# 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

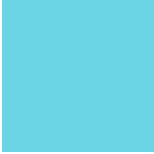
56.7474, 0.2863, 0.5016

### Protanopia

55.6043, 0.4019, 0.4392

### Deuteranopia

55.4996, 0.4115, 0.4033



## **Tritanopia**

56.4275, 0.2399, 0.3067

# Trichromacy



## Original Color

56.7474, 0.2863, 0.5016



## Protanomaly

53.8978, 0.3479, 0.4669



## Deuteranomaly

52.7321, 0.3533, 0.4417



## Tritanomaly

56.0151, 0.2568, 0.3742

# Monochromacy



## Original Color

56.7474, 0.2863, 0.5016



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

42.7876, 0.2973, 0.3929

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7474, 0.2863, 0.5016 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(68, 226, 110)` looks like.

```
.text, #text, p{  
    color:rgb(68, 226, 110)  
}
```

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(68, 226, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 226, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7474, 0.2863, 0.5016 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(68, 226, 110) }
```

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

```
.border{ border-color:rgb(68, 226, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 226, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 226, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 226, 110);  
box-shadow:4px 4px 4px 4px rgb(68, 226,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7474, 0.2863, 0.5016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 226, 110) }
```

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

```
.background{ background-color: rgb(68, 226,  
110) }
```

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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