

# Converting Colors

$Y_{xy}(53.3360, 0.2753, 0.5093)$

Have a look what the booklet for  
Yxy(53.3360, 0.2753, 0.5093)  
contains.

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# Color

**Yxy(53.3428, 0.2751, 0.5086)**

# Conversions

## Conversions Part 1

Format	Color
Hex	06DE6B
RGB	6, 222, 107
RGB Percent	2%, 87%, 42%
CMY	0.9753, 0.1294, 0.5804
CMYK	0.97, 0.00, 0.52, 0.13
HSL	148°, 94%, 45%
HSV	148°, 97%, 87%
XYZ	28.8529, 53.3428, 22.6859
YIQ	144.3060, -91.8210, -81.5570

# Conversions

## Conversions Part 2

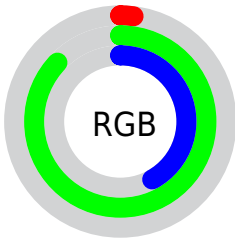
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 153, 222
Decimal	450155
CIELab	78.08, -69.47, 43.64
CIELCh	78, 82.035, 147.865
Yxy	53.3428, 0.2751, 0.5086
Android (android.graphics.Color)	4278640235 (0xFF06DE6B)
YUV	144.3060, -18.3919, -121.2944
Hunter-Lab	73.0362, -57.2968, 32.7091

# Details

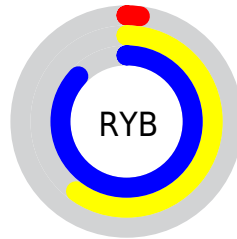
The Yxy color **53.3428, 0.2751, 0.5086** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **17.0539, 0.4780, 0.2422**, and the grayscale version is **28.1610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2462, 0.2821, 0.4513**, and **27.1958, 0.2856, 0.5482** is the 20% darker color. If you saturate the color by 10%, you get **53.2350, 0.2761, 0.5138**, and if you desaturate by 10%, it is **53.8247, 0.2722, 0.4894**.

# Distribution



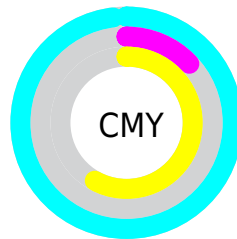
- Red (2%)
- Green (87%)
- Blue (42%)



- Red (2%)
- Yellow (60%)
- Blue (87%)



- Cyan (97%)
- Magenta (0%)
- Yellow (52%)
- Black (13%)




- Cyan (98%)
- Magenta (13%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3428, 0.2751, 0.5086 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 53.3428, 0.2751, 0.5086 by changing the saturation by 10% instead.





 53.3428, 0.2751,  
0.5086

 53.3428, 0.2751,  
0.5086


399.5989, 0.2983,  
0.4131


 38.0765, 0.2679,  
0.5337


 95.1086, 0.2846,  
0.4728

 26.0421, 0.2578,  
0.5663


 122.3769, 0.2878,  
0.4597


 16.8551, 0.2431,  
0.6099


 154.4146, 0.2904,  
0.4487

 10.1312, 0.2203,  
0.6699

 191.6062, 0.2926,  
0.4394

 5.4861, 0.1861,  
0.7672

 234.3361, 0.2944,  
0.4314

 2.5352, 0.0753,  
0.9247

282.9885, 0.2959,

 0.8942, 0.0000,

0.4245

1.0000

337.9480, 0.2972,  
0.4184

■ 0.0000, 0.0000,  
0.0000

■ 53.3428, 0.2751,  
0.5086

■ 53.3428, 0.2751,  
0.5086

■ 53.2350, 0.2761,  
0.5138

■ 53.8247, 0.2722,  
0.4894

■ 54.5685, 0.2711,  
0.4690

■ 55.6235, 0.2721,  
0.4480

■ 57.0254, 0.2749,  
0.4271

■ 58.8049, 0.2794,  
0.4067

■ 60.9894, 0.2852,  
0.3874

■ 63.6035, 0.2919,  
0.3696

■ 66.6696, 0.2993,  
0.3533

■ 70.2089, 0.3071,  
0.3386

# Harmonies

## Analogous

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



53.3428, 0.3734, 0.5292



53.3428, 0.2751, 0.5086



53.3428, 0.1922, 0.3982

# Triad

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



53.3428, 0.2751, 0.5086



53.3428, 0.1646, 0.1772



53.3428, 0.5119, 0.3287

# Complementary

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



53.3428, 0.2751, 0.5086



17.0539, 0.4780, 0.2422

# 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.



53.3428, 0.4342, 0.2630



53.3428, 0.2751, 0.5086



53.3428, 0.2247, 0.1803

# Square

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



53.3428, 0.2751, 0.5086



53.3428, 0.1393, 0.2063



53.3428, 0.3214, 0.2104



53.3428, 0.5176, 0.4008



# Rectangle

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



53.3428, 0.2751, 0.5086



53.3428, 0.1574, 0.3146



53.3428, 0.3214, 0.2104



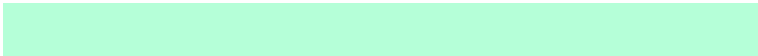
53.3428, 0.4932, 0.3059

# Sweetspot

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



53.3450, 0.2751, 0.5086



86.2858, 0.2905, 0.3731



56.3459, 0.3419, 0.5652



18.1351, 0.2875, 0.3808



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.



53.3450, 0.2751, 0.5086



72.8532, 0.2764, 0.5152



57.1799, 0.2277, 0.3388



15.4432, 0.3053, 0.3418



31.6425, 0.2753, 0.5111



2.2113, 0.2671, 0.4817



# Inverse Universe

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



17.0539, 0.4780, 0.2422



23.0360, 0.4858, 0.2450



15.6966, 0.6333, 0.3284



13.8221, 0.3209, 0.3166



10.0289, 0.4812, 0.2425

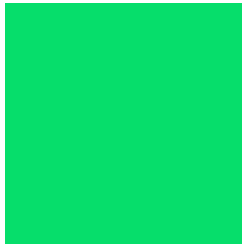


0.7132, 0.4498, 0.2251



# Previews

## White Background



This preview shows how the Yxy color 53.3428, 0.2751, 0.5086 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 53.3428, 0.2751, 0.5086 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 53.3428, 0.2751, 0.5086**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.3428, 0.2751, 0.5086.

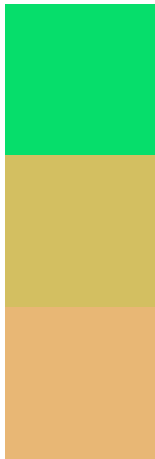


This preview shows how white text looks on a background with the Yxy color 53.3428, 0.2751, 0.5086.

# 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**

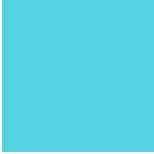
53.3428, 0.2751, 0.5086

**Protanopia**

51.9736, 0.4023, 0.4388

**Deuteranopia**

52.3071, 0.4115, 0.4029



## **Tritanopia**

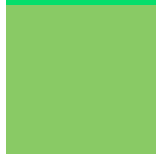
53.0703, 0.2327, 0.3059

# Trichromacy



## Original Color

53.3428, 0.2751, 0.5086



## Protanomaly

48.4990, 0.3307, 0.4747



## Deuteranomaly

47.6088, 0.3349, 0.4488



## Tritanomaly

52.3819, 0.2453, 0.3748

# Monochromacy



## Original Color

53.3428, 0.2751, 0.5086



## Achromatopsia

27.8894, 0.3127, 0.3290



## Achromatomaly

33.5234, 0.2804, 0.4005

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3428, 0.2751, 0.5086 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(6, 222, 107)` looks like.

```
.text, #text, p{  
    color:rgb(6, 222, 107)  
}
```

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(6, 222, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 222, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3428, 0.2751, 0.5086 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(6, 222, 107) }
```

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

```
.border{ border-color:rgb(6, 222, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 222, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 222, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 222, 107);  
box-shadow:4px 4px 4px 4px rgb(6, 222,  
107) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3428, 0.2751, 0.5086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 222, 107) }
```

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

```
.background{ background-color: rgb(6, 222,  
107) }
```

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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