

# Converting Colors

$Y_{xy}(60.4489, 0.2812, 0.5263)$

Have a look what the booklet for  
Yxy(60.4489, 0.2812, 0.5263)  
contains.

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# Color

**Yxy(60.4855, 0.2813, 0.5268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	14EB64
RGB	20, 235, 100
RGB Percent	8%, 92%, 39%
CMY	0.9215, 0.0784, 0.6078
CMYK	0.91, 0.00, 0.57, 0.08
HSL	142°, 84%, 50%
HSV	142°, 91%, 92%
XYZ	32.2980, 60.4855, 22.0333
YIQ	155.3250, -84.8050, -87.5650

# Conversions

## Conversions Part 2

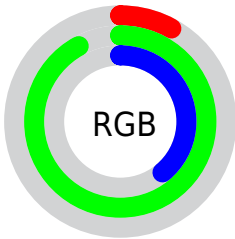
Format	Color
<a href="#">RYB</a>	<a href="#">20, 177, 235</a>
Decimal	<a href="#">1370980</a>
CIELab	<a href="#">82.10, -73.94, 51.72</a>
CIELCh	<a href="#">82, 90.234, 145.026</a>
Yxy	<a href="#">60.4855, 0.2813, 0.5268</a>
Android (android.graphics.Color)	<a href="#">4279561060 (0xFF14EB64)</a>
YUV	<a href="#">155.3250, -27.2752, -118.6800</a>
Hunter-Lab	<a href="#">77.7724, -61.9728, 37.6435</a>

# Details

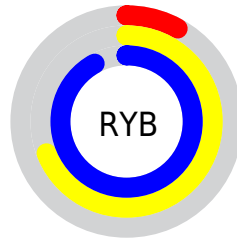
The Yxy color **60.4855, 0.2813, 0.5268** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **20.5306, 0.4310, 0.2189**, and the grayscale version is **33.0863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4305, 0.2873, 0.4584**, and **31.6415, 0.2911, 0.5681** is the 20% darker color. If you saturate the color by 10%, you get **60.1140, 0.2843, 0.5434**, and if you desaturate by 10%, it is **61.1761, 0.2790, 0.5049**.

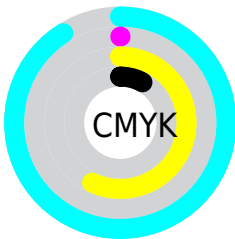
# Distribution



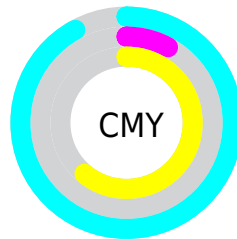
- Red (8%)
- Green (92%)
- Blue (39%)



- Red (8%)
- Yellow (69%)
- Blue (92%)



- Cyan (91%)
- Magenta (0%)
- Yellow (57%)
- Black (8%)




- Cyan (92%)
- Magenta (8%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4855, 0.2813, 0.5268 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 60.4855, 0.2813, 0.5268 by changing the saturation by 10% instead.





 60.4855, 0.2813,  
0.5268


 60.4855, 0.2813,  
0.5268


426.3850, 0.3023,  
0.4237


 43.8101, 0.2744,  
0.5529


 105.5336, 0.2902,  
0.4889


 30.5212, 0.2647,  
0.5861


 134.6751, 0.2931,  
0.4747


 20.2346, 0.2505,  
0.6295


 168.7408, 0.2955,  
0.4628

 12.5657, 0.2285,  
0.6869

 208.1149, 0.2974,  
0.4527

 7.1301, 0.1964,  
0.7760

 253.1821, 0.2990,  
0.4439

 3.5436, 0.1281,  
0.8719

304.3265, 0.3003,

 1.4217, 0.0000,

0.4363

1.0000

361.9327, 0.3014,  
0.4296

■ 0.2326, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.4855, 0.2813,  
0.5268

■ 60.4855, 0.2813,  
0.5268


■ 60.1140, 0.2843,  
0.5434

■ 61.1761, 0.2790,  
0.5049

■ 62.2118, 0.2786,  
0.4811

■ 63.6409, 0.2800,  
0.4565


■ 65.5022, 0.2830,  
0.4320

 67.8294, 0.2874,  
0.4084

 70.6529, 0.2928,  
0.3863

 74.0004, 0.2988,  
0.3660

 77.8974, 0.3052,  
0.3476

 82.3680, 0.3117,  
0.3313

# Harmonies

## Analogous

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



60.4855, 0.3836, 0.5360



60.4855, 0.2813, 0.5268



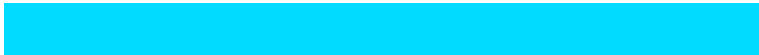
60.4855, 0.1926, 0.4152

# Triad

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



60.4855, 0.2813, 0.5268



60.4855, 0.1547, 0.1721



60.4855, 0.5176, 0.3204

# Complementary

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



60.4855, 0.2813, 0.5268



20.5306, 0.4310, 0.2189

# 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.



60.4855, 0.4299, 0.2537



60.4855, 0.2813, 0.5268



60.4855, 0.2129, 0.1728

# Square

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



60.4855, 0.2813, 0.5268



60.4855, 0.1318, 0.2051



60.4855, 0.3104, 0.2014



60.4855, 0.5295, 0.3940



# Rectangle

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



60.4855, 0.2813, 0.5268



60.4855, 0.1543, 0.3245



60.4855, 0.3104, 0.2014



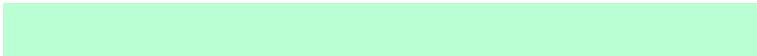
60.4855, 0.4957, 0.2972

# Sweetspot

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



60.4880, 0.2813, 0.5268



86.7198, 0.2953, 0.3772



66.5547, 0.3591, 0.5485



18.2770, 0.2933, 0.3843



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.



60.4880, 0.2813, 0.5268



72.3442, 0.2845, 0.5442



64.0402, 0.2366, 0.3680



16.9549, 0.3065, 0.3442



33.4778, 0.2835, 0.5405



2.6469, 0.2757, 0.5125



# Inverse Universe

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



20.5306, 0.4310, 0.2189



23.8019, 0.4457, 0.2229



18.3830, 0.6043, 0.3169



15.2132, 0.3195, 0.3143



11.0374, 0.4425, 0.2211

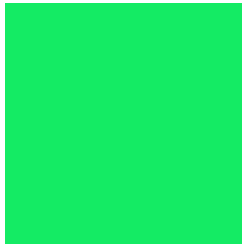


0.8852, 0.4212, 0.2094



# Previews

## White Background



This preview shows how the Yxy color 60.4855, 0.2813, 0.5268 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 60.4855, 0.2813, 0.5268 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 60.4855, 0.2813, 0.5268**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.4855, 0.2813, 0.5268.

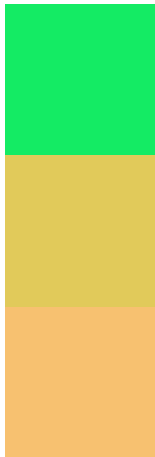


This preview shows how white text looks on a background with the Yxy color 60.4855, 0.2813, 0.5268.

# 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

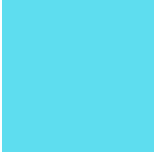
60.4855, 0.2813, 0.5268

### Protanopia

58.9868, 0.4117, 0.4495

### Deuteranopia

59.0839, 0.4221, 0.4132



## **Tritanopia**

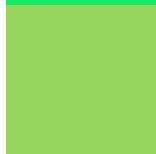
60.3246, 0.2335, 0.3058

# Trichromacy



## Original Color

60.4855, 0.2813, 0.5268



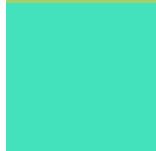
## Protanomaly

55.3853, 0.3412, 0.4890



## Deuteranomaly

54.0870, 0.3463, 0.4617



## Tritanomaly

59.2168, 0.2493, 0.3826

# Monochromacy



## Original Color

60.4855, 0.2813, 0.5268



## Achromatopsia

32.7778, 0.3127, 0.3290



## Achromatomaly

39.0944, 0.2873, 0.4091

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4855, 0.2813, 0.5268 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(20, 235, 100)` looks like.

```
.text, #text, p{  
    color:rgb(20, 235, 100)  
}
```

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(20, 235, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 235, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4855, 0.2813, 0.5268 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(20, 235, 100) }
```

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

```
.border{ border-color:rgb(20, 235, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 235, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 235, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 235, 100);  
box-shadow:4px 4px 4px 4px rgb(20, 235,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4855, 0.2813, 0.5268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 235, 100) }
```

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

```
.background{ background-color: rgb(20, 235,  
100) }
```

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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