

# Converting Colors

$Yxy(55.6201, 0.3062, 0.4540)$

Have a look what the booklet for  
Yxy(55.6201, 0.3062, 0.4540)  
contains.

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# Color

**Yxy(55.7999, 0.3062, 0.4535)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80D981
RGB	128, 217, 129
RGB Percent	50%, 85%, 51%
CMY	0.4982, 0.1490, 0.4940
CMYK	0.41, 0.00, 0.41, 0.15
HSL	121°, 54%, 68%
HSV	121°, 41%, 85%
XYZ	37.6757, 55.7999, 29.5672
YIQ	180.3570, -24.7960, -46.2360

# Conversions

## Conversions Part 2

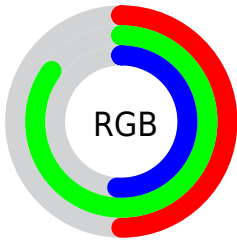
Format	Color
<b>RYB</b>	128, 216, 217
Decimal	8444289
CIELab	79.50, -44.35, 35.14
CIELCh	79, 56.582, 141.605
Yxy	55.7999, 0.3062, 0.4535
Android (android.graphics.Color)	4286634369 (0xFF80D981)
YUV	180.3570, -25.3190, -45.9171
Hunter-Lab	74.6993, -40.6947, 28.8216

# Details

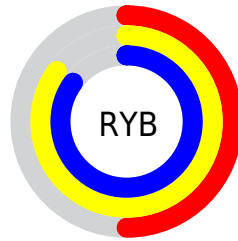
The Yxy color **55.7999, 0.3062, 0.4535** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **35.1370, 0.3184, 0.2297**, and the grayscale version is **45.9914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1292, 0.3095, 0.4111**, and **27.4175, 0.3008, 0.4911** is the 20% darker color. If you saturate the color by 10%, you get **53.7843, 0.3045, 0.4892**, and if you desaturate by 10%, it is **58.2996, 0.3080, 0.4187**.

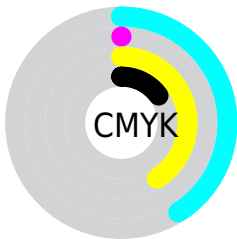
# Distribution



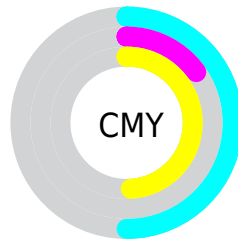
- Red (50%)
- Green (85%)
- Blue (51%)



- Red (50%)
- Yellow (85%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (41%)
- Black (15%)




- Cyan (50%)
- Magenta (15%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7999, 0.3062, 0.4535 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 55.7999, 0.3062, 0.4535 by changing the saturation by 10% instead.





 55.7999, 0.3062,  
0.4535

 55.7999, 0.3062,  
0.4535


408.9370, 0.3118,  
0.3893


 40.0425, 0.3040,  
0.4699


 98.7119, 0.3088,  
0.4298

 27.5717, 0.3008,  
0.4911


 126.6354, 0.3096,  
0.4210

 18.0030, 0.2957,  
0.5194


 159.3830, 0.3102,  
0.4136

 10.9522, 0.2871,  
0.5588

197.3391, 0.3107,  
0.4073

 6.0347, 0.2713,  
0.6159

240.8882, 0.3111,  
0.4019

 2.8662, 0.2540,  
0.7460

290.4146, 0.3114,

 1.0623, 0.0000,

0.3971

1.0000

346.3027, 0.3116,  
0.3930

■ 0.0000, 0.0000,  
0.0000

■ 55.7999, 0.3062,  
0.4535

■ 55.7999, 0.3062,  
0.4535

■ 53.7843, 0.3045,  
0.4892

■ 58.2996, 0.3080,  
0.4187

■ 52.2151, 0.3028,  
0.5235

■ 61.3044, 0.3096,  
0.3864

■ 51.0603, 0.3015,  
0.5537


■ 64.8424, 0.3112,  
0.3572


■ 50.2808, 0.3006,  
0.5773

■ 68.9377, 0.3126,  
0.3315

■ 49.8300, 0.3001,  
0.5925

■ 73.6130, 0.3138,  
0.3091

 49.6353, 0.2998,  
0.5994

 78.1095, 0.3145,  
0.2920

# Harmonies

## Analogous

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



55.7999, 0.3772, 0.4637



55.7999, 0.3062, 0.4535



55.7999, 0.2408, 0.3928

# Triad

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



55.7999, 0.3062, 0.4535



55.7999, 0.1981, 0.2215



55.7999, 0.4414, 0.3237

# Complementary

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



55.7999, 0.3062, 0.4535



35.1370, 0.3184, 0.2297

# 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.



55.7999, 0.3813, 0.2736



55.7999, 0.3062, 0.4535



55.7999, 0.2394, 0.2172

# Square

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



55.7999, 0.3062, 0.4535



55.7999, 0.1839, 0.2529



55.7999, 0.3049, 0.2360



55.7999, 0.4603, 0.3788

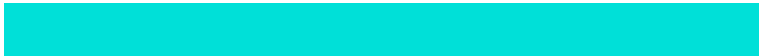


# Rectangle

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



55.7999, 0.3062, 0.4535



55.7999, 0.2090, 0.3394



55.7999, 0.3049, 0.2360



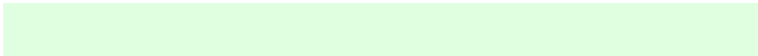
55.7999, 0.4250, 0.3061

# Sweetspot

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



55.8022, 0.3062, 0.4535



92.8549, 0.3110, 0.3602



65.9400, 0.3737, 0.4299



19.7237, 0.3108, 0.3639



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.



55.8022, 0.3062, 0.4535



77.9236, 0.3047, 0.4835



57.2135, 0.2811, 0.3904



14.6088, 0.3114, 0.3529



30.0454, 0.2998, 0.5992



1.9474, 0.2991, 0.5967



# Inverse Universe

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



35.1370, 0.3184, 0.2297



44.3619, 0.3196, 0.2115



33.1799, 0.3641, 0.2756



13.2720, 0.3140, 0.3062



11.8819, 0.3239, 0.1558



0.7707, 0.3234, 0.1555



# Previews

## White Background



This preview shows how the Yxy color 55.7999, 0.3062, 0.4535 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 55.7999, 0.3062, 0.4535 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 55.7999, 0.3062, 0.4535**

## Background



This preview shows how black text looks on a background with the Yxy color 55.7999, 0.3062, 0.4535.



This preview shows how white text looks on a background with the Yxy color 55.7999, 0.3062, 0.4535.

# 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

55.7999, 0.3062, 0.4535

### Protanopia

55.1565, 0.3854, 0.4174

### Deuteranopia

54.8106, 0.3958, 0.3863



## Tritanopia

55.6196, 0.2623, 0.3086

# Trichromacy



## Original Color

55.7999, 0.3062, 0.4535



## Protanomaly

54.7082, 0.3532, 0.4317



## Deuteranomaly

53.6837, 0.3591, 0.4108



## Tritanomaly

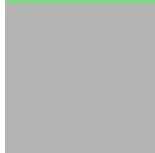
55.2995, 0.2784, 0.3586

# Monochromacy



## Original Color

55.7999, 0.3062, 0.4535



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

48.2902, 0.3106, 0.3732

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  55.7999, 0.3062, 0.4535 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(128, 217, 129)` looks like.

```
.text, #text, p{  
    color:rgb(128, 217, 129)  
}
```

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(128, 217, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 217, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 55.7999, 0.3062, 0.4535 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(128, 217, 129) }
```

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

```
.border{ border-color:rgb(128, 217, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 217, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 217, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 217, 129); box-shadow:4px 4px 4px 4px rgb(128, 217, 129) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.7999, 0.3062, 0.4535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 217, 129) }
```

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

```
.background{ background-color: rgb(128,  
217, 129) }
```

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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