

# Converting Colors

Yxy(58.4346, 0.3098, 0.4529)

Have a look what the booklet for  
Yxy(58.4346, 0.3098, 0.4529)  
contains.

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# Color

**Yxy(58.5858, 0.3100, 0.4529)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88DD83
RGB	136, 221, 131
RGB Percent	53%, 87%, 51%
CMY	0.4669, 0.1333, 0.4862
CMYK	0.38, 0.00, 0.41, 0.13
HSL	117°, 57%, 69%
HSV	117°, 41%, 87%
XYZ	40.1007, 58.5858, 30.6706
YIQ	185.3250, -21.7700, -46.0100

# Conversions

## Conversions Part 2

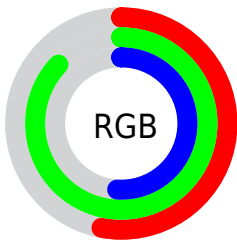
Format	Color
<a href="#">RYB</a>	<a href="#">131, 221, 216</a>
Decimal	<a href="#">8969603</a>
CIELab	<a href="#">81.06, -43.37, 36.25</a>
CIElCh	<a href="#">81, 56.521, 140.112</a>
Yxy	<a href="#">58.5858, 0.3100, 0.4529</a>
Android (android.graphics.Color)	<a href="#">4287159683 (0xFF88DD83)</a>
YUV	<a href="#">185.3250, -26.7822, -43.2580</a>
Hunter-Lab	<a href="#">76.5414, -40.4297, 29.8211</a>

# Details

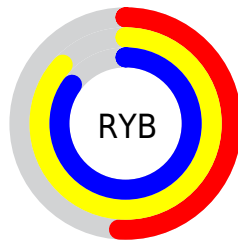
The Yxy color **58.5858, 0.3100, 0.4529** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **36.0672, 0.3127, 0.2278**, and the grayscale version is **48.8626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2293, 0.3132, 0.4076**, and **29.2388, 0.3059, 0.4889** is the 20% darker color. If you saturate the color by 10%, you get **56.4704, 0.3087, 0.4884**, and if you desaturate by 10%, it is **61.1747, 0.3110, 0.4183**.

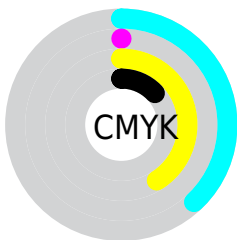
# Distribution



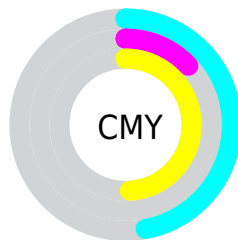
- Red (53%)
- Green (87%)
- Blue (51%)



- Red (51%)
- Yellow (87%)
- Blue (85%)



- Cyan (38%)
- Magenta (0%)
- Yellow (41%)
- Black (13%)




- Cyan (47%)
- Magenta (13%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.5858, 0.3100, 0.4529 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 58.5858, 0.3100, 0.4529 by changing the saturation by 10% instead.



 58.5858, 0.3100,  
0.4529

 58.5858, 0.3100,  
0.4529


419.3652, 0.3137,  
0.3896


 42.2798, 0.3083,  
0.4689


 102.7754, 0.3119,  
0.4297

 29.3204, 0.3057,  
0.4894


 131.4278, 0.3125,  
0.4211

 19.3234, 0.3015,  
0.5165


 164.9645, 0.3129,  
0.4138

 11.9042, 0.2942,  
0.5539

203.7698, 0.3131,  
0.4075

 6.6784, 0.2806,  
0.6074

248.2281, 0.3134,  
0.4021

 3.2618, 0.2685,  
0.7304

298.7238, 0.3135,

 1.2699, 0.0767,

0.3974

0.9233

355.6414, 0.3136,  
0.3933

■ 0.1177, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.5858, 0.3100,  
0.4529

■ 58.5858, 0.3100,  
0.4529

■ 56.4704, 0.3087,  
0.4884

■ 61.1747, 0.3110,  
0.4183

■ 54.7931, 0.3072,  
0.5226


■ 64.2555, 0.3118,  
0.3859

■ 53.5251, 0.3054,  
0.5528


■ 67.8545, 0.3123,  
0.3566


■ 52.6314, 0.3037,  
0.5765

■ 71.9941, 0.3127,  
0.3307

 52.0709, 0.3020,  
0.5919

 76.6953, 0.3129,  
0.3081

 51.7984, 0.3009,  
0.5993

 80.1993, 0.3143,  
0.2960

# Harmonies

## Analogous

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



58.5858, 0.3796, 0.4607



58.5858, 0.3100, 0.4529



58.5858, 0.2448, 0.3954

# Triad

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



58.5858, 0.3100, 0.4529



58.5858, 0.1985, 0.2241



58.5858, 0.4370, 0.3214

# Complementary

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



58.5858, 0.3100, 0.4529



36.0672, 0.3127, 0.2278

# 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.



58.5858, 0.3765, 0.2723



58.5858, 0.3100, 0.4529



58.5858, 0.2380, 0.2185

# Square

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



58.5858, 0.3100, 0.4529



58.5858, 0.1858, 0.2566



58.5858, 0.3015, 0.2359



58.5858, 0.4581, 0.3756



# Rectangle

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



58.5858, 0.3100, 0.4529



58.5858, 0.2126, 0.3432



58.5858, 0.3015, 0.2359



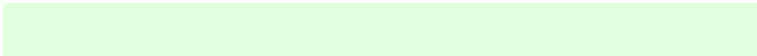
58.5858, 0.4203, 0.3041

# Sweetspot

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



58.5883, 0.3100, 0.4529



93.1050, 0.3123, 0.3605



65.6201, 0.3758, 0.4236



19.7819, 0.3122, 0.3642



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.



58.5883, 0.3100, 0.4529



78.4433, 0.3089, 0.4837



59.4483, 0.2847, 0.3985



14.6401, 0.3124, 0.3531



30.1022, 0.3013, 0.5990



1.9624, 0.3051, 0.5960



# Inverse Universe

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



36.0672, 0.3127, 0.2278



43.1817, 0.3123, 0.2081



34.9876, 0.3570, 0.2693



13.2366, 0.3129, 0.3059



10.9132, 0.3073, 0.1466

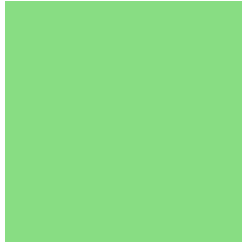


0.7184, 0.3096, 0.1479



# Previews

## White Background



This preview shows how the Yxy color 58.5858, 0.3100, 0.4529 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

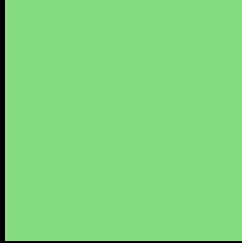
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.5858, 0.3100, 0.4529 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

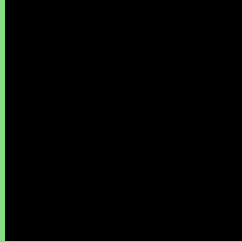
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.5858, 0.3100, 0.4529**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.5858, 0.3100, 0.4529.

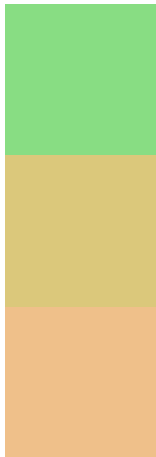


This preview shows how white text looks on a background with the Yxy color 58.5858, 0.3100, 0.4529.

# 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**

58.5858, 0.3100, 0.4529

**Protanopia**

57.7987, 0.3864, 0.4179

**Deuteranopia**

57.8850, 0.3961, 0.3884



## Tritanopia

58.5093, 0.2643, 0.3078

# Trichromacy



## Original Color

58.5858, 0.3100, 0.4529



## Protanomaly

57.4369, 0.3555, 0.4316



## Deuteranomaly

57.0177, 0.3619, 0.4120



## Tritanomaly

58.1019, 0.2808, 0.3578

# Monochromacy



## Original Color

58.5858, 0.3100, 0.4529



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

51.3203, 0.3122, 0.3733

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.5858, 0.3100, 0.4529 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(136, 221, 131)` looks like.

```
.text, #text, p{  
    color:rgb(136, 221, 131)  
}
```

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(136, 221, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 221, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 58.5858, 0.3100, 0.4529 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(136, 221, 131) }
```

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

```
.border{ border-color:rgb(136, 221, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 221, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 221, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 221, 131);  
box-shadow:4px 4px 4px 4px rgb(136, 221,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.5858, 0.3100, 0.4529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 221, 131) }
```

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

```
.background{ background-color: rgb(136,  
221, 131) }
```

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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