

# Converting Colors

$Yxy(59.6475, 0.3076, 0.4510)$

Have a look what the booklet for  
Yxy(59.6475, 0.3076, 0.4510)  
contains.

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# Color

**Yxy(59.6475, 0.3076, 0.4510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87DF86
RGB	135, 223, 134
RGB Percent	53%, 87%, 53%
CMY	0.4706, 0.1255, 0.4745
CMYK	0.39, 0.00, 0.40, 0.13
HSL	119°, 58%, 70%
HSV	119°, 40%, 87%
XYZ	40.6820, 59.6475, 31.9266
YIQ	186.5420, -23.8790, -46.3350

# Conversions

## Conversions Part 2

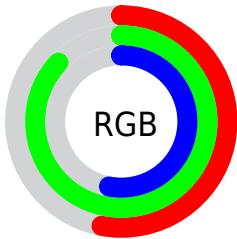
Format	Color
<a href="#">RYB</a>	<a href="#">134, 223, 222</a>
Decimal	<a href="#">8904582</a>
CIELab	<a href="#">81.65, -44.08, 35.49</a>
CIElCh	<a href="#">82, 56.586, 141.163</a>
Yxy	<a href="#">59.6475, 0.3076, 0.4510</a>
Android (android.graphics.Color)	<a href="#">4287094662 (0xFF87DF86)</a>
YUV	<a href="#">186.5420, -25.9032, -45.2023</a>
Hunter-Lab	<a href="#">77.2318, -41.1305, 29.5525</a>

# Details

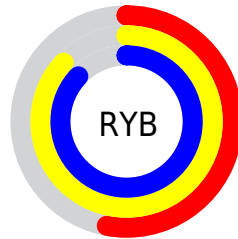
The Yxy color **59.6475, 0.3076, 0.4510** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **37.9149, 0.3164, 0.2308**, and the grayscale version is **49.5820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3573, 0.3116, 0.4042**, and **29.9242, 0.3025, 0.4865** is the 20% darker color. If you saturate the color by 10%, you get **57.4482, 0.3060, 0.4869**, and if you desaturate by 10%, it is **62.3619, 0.3091, 0.4161**.

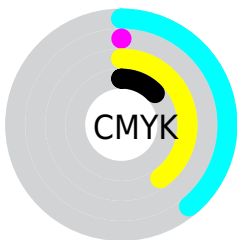
# Distribution



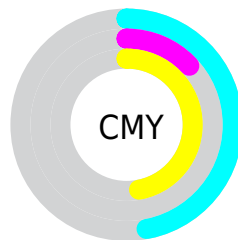
- Red (53%)
- Green (87%)
- Blue (53%)



- Red (53%)
- Yellow (87%)
- Blue (87%)



- Cyan (39%)
- Magenta (0%)
- Yellow (40%)
- Black (13%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.6475, 0.3076, 0.4510 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 59.6475, 0.3076, 0.4510 by changing the saturation by 10% instead.





 59.6475, 0.3076,  
0.4510

 59.6475, 0.3076,  
0.4510


423.2972, 0.3124,  
0.3888

 43.1346, 0.3057,  
0.4667


 104.3182, 0.3099,  
0.4283

 29.9907, 0.3029,  
0.4867


 133.2447, 0.3106,  
0.4198

 19.8315, 0.2984,  
0.5133


 167.0778, 0.3111,  
0.4126

 12.2727, 0.2909,  
0.5499

206.2020, 0.3115,  
0.4064

 6.9296, 0.2774,  
0.6024

251.0017, 0.3118,  
0.4011

 3.4181, 0.2614,  
0.7118

301.8612, 0.3120,

 1.3537, 0.0994,

0.3965

0.9006

359.1649, 0.3122,  
0.3924

0.1822, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.6475, 0.3076,  
0.4510

59.6475, 0.3076,  
0.4510

57.4482, 0.3060,  
0.4869

62.3619, 0.3091,  
0.4161

55.7246, 0.3044,  
0.5217

65.6131, 0.3105,  
0.3837

54.4437, 0.3029,  
0.5524

69.4304, 0.3117,  
0.3545

53.5651, 0.3016,  
0.5765


73.8390, 0.3127,  
0.3288

 53.0412, 0.3007,  
0.5921

 78.8626, 0.3136,  
0.3065

 52.7958, 0.3002,  
0.5998

 81.2582, 0.3142,  
0.2980

 52.7940, 0.3002,  
0.5999

# Harmonies

## Analogous

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



59.6475, 0.3771, 0.4606



59.6475, 0.3076, 0.4510



59.6475, 0.2432, 0.3924

# Triad

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



59.6475, 0.3076, 0.4510



59.6475, 0.1999, 0.2239



59.6475, 0.4379, 0.3233

# Complementary

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



59.6475, 0.3076, 0.4510



37.9149, 0.3164, 0.2308

# 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.



59.6475, 0.3788, 0.2741



59.6475, 0.3076, 0.4510



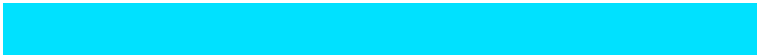
59.6475, 0.2401, 0.2192

# Square

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



59.6475, 0.3076, 0.4510



59.6475, 0.1863, 0.2553



59.6475, 0.3041, 0.2373



59.6475, 0.4573, 0.3774



# Rectangle

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



59.6475, 0.3076, 0.4510



59.6475, 0.2117, 0.3404



59.6475, 0.3041, 0.2373



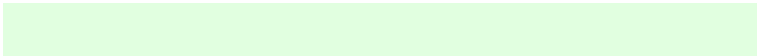
59.6475, 0.4218, 0.3060

# Sweetspot

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



59.6500, 0.3076, 0.4510



92.8889, 0.3114, 0.3605



69.3994, 0.3729, 0.4261



19.7316, 0.3113, 0.3643



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.



59.6500, 0.3076, 0.4510



78.2666, 0.3062, 0.4814



61.0228, 0.2826, 0.3906



15.3444, 0.3117, 0.3532



31.0436, 0.3002, 0.5998



2.1543, 0.3010, 0.5992



# Inverse Universe

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



37.9149, 0.3164, 0.2308



44.8908, 0.3170, 0.2120



36.0372, 0.3606, 0.2753



13.9275, 0.3136, 0.3059



12.1325, 0.3182, 0.1527



0.8435, 0.3186, 0.1529



# Previews

## White Background



This preview shows how the Yxy color 59.6475, 0.3076, 0.4510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

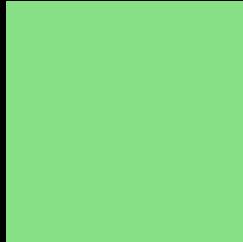
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.6475, 0.3076, 0.4510 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 59.6475, 0.3076, 0.4510**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.6475, 0.3076, 0.4510.

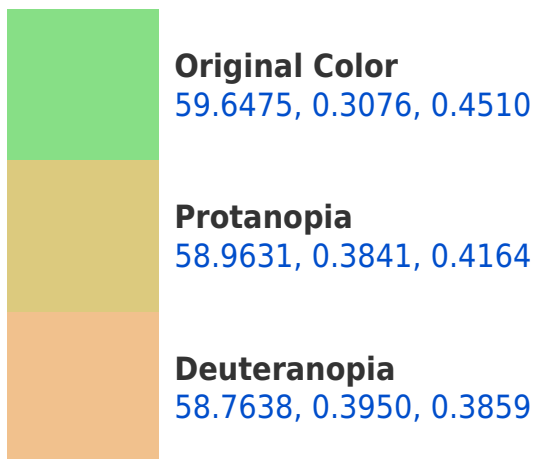


This preview shows how white text looks on a background with the Yxy color 59.6475, 0.3076, 0.4510.

# 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





## Tritanopia

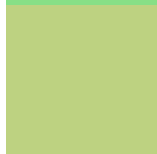
59.5164, 0.2630, 0.3079

## Trichromacy



### Original Color

59.6475, 0.3076, 0.4510



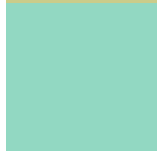
### Protanomaly

58.4970, 0.3528, 0.4301



### Deuteranomaly

57.5773, 0.3594, 0.4095



### Tritanomaly

59.1178, 0.2792, 0.3577

## Monochromacy



### Original Color

59.6475, 0.3076, 0.4510



### Achromatopsia

49.6933, 0.3127, 0.3290



### Achromatomaly

52.4605, 0.3107, 0.3716

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.6475, 0.3076, 0.4510 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(135, 223, 134)` looks like.

```
.text, #text, p{  
    color:rgb(135, 223, 134)  
}
```

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(135, 223, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 223, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 59.6475, 0.3076, 0.4510 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(135, 223, 134) }
```

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

```
.border{ border-color:rgb(135, 223, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 223, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 223, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 223, 134);  
box-shadow:4px 4px 4px 4px rgb(135, 223,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.6475, 0.3076, 0.4510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 223, 134) }
```

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

```
.background{ background-color: rgb(135,  
223, 134) }
```

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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