

# Converting Colors

Yxy(58.9848, 0.3079, 0.4512)

Have a look what the booklet for  
Yxy(58.9848, 0.3079, 0.4512)  
contains.

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# Color

**Yxy(59.0869, 0.3082, 0.4514)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	87DE85
RGB	135, 222, 133
RGB Percent	53%, 87%, 52%
CMY	0.4707, 0.1294, 0.4784
CMYK	0.39, 0.00, 0.40, 0.13
HSL	119°, 57%, 70%
HSV	119°, 40%, 87%
XYZ	40.3425, 59.0869, 31.4676
YIQ	185.8410, -23.2830, -46.1230

# Conversions

## Conversions Part 2

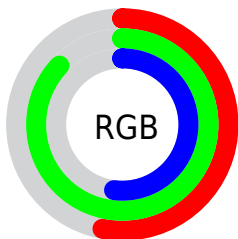
Format	Color
<a href="#">RYB</a>	<a href="#">133, 222, 220</a>
Decimal	<a href="#">8904325</a>
CIELab	<a href="#">81.34, -43.81, 35.60</a>
CIELCh	<a href="#">81, 56.445, 140.903</a>
Yxy	<a href="#">59.0869, 0.3082, 0.4514</a>
Android (android.graphics.Color)	<a href="#">4287094405 (0xFF87DE85)</a>
YUV	<a href="#">185.8410, -26.0506, -44.5876</a>
Hunter-Lab	<a href="#">76.8680, -40.8373, 29.5359</a>

# Details

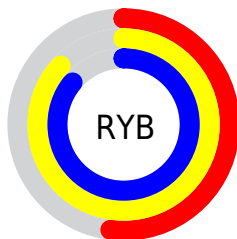
The Yxy color **59.0869, 0.3082, 0.4514** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **37.2712, 0.3155, 0.2301**, and the grayscale version is **49.1646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1842, 0.3115, 0.4055**, and **29.5871, 0.3039, 0.4868** is the 20% darker color. If you saturate the color by 10%, you get **56.9188, 0.3067, 0.4872**, and if you desaturate by 10%, it is **61.7567, 0.3096, 0.4166**.

# Distribution



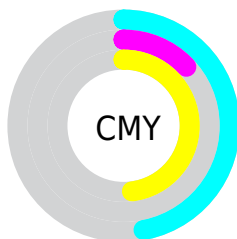
- Red (53%)
- Green (87%)
- Blue (52%)



- Red (52%)
- Yellow (87%)
- Blue (86%)



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




- Cyan (47%)
- Magenta (13%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0869, 0.3082, 0.4514 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 59.0869, 0.3082, 0.4514 by changing the saturation by 10% instead.




 59.0869, 0.3082,  
0.4514


 59.0869, 0.3082,  
0.4514


421.2239, 0.3127,  
0.3889


 42.6831, 0.3064,  
0.4672

 103.5040, 0.3104,  
0.4285

 29.6365, 0.3036,  
0.4874


 132.2860, 0.3110,  
0.4200

 19.5629, 0.2992,  
0.5142


 165.9629, 0.3115,  
0.4128

 12.0777, 0.2917,  
0.5511

204.9190, 0.3119,  
0.4066

 6.7966, 0.2781,  
0.6040

249.5387, 0.3122,  
0.4013

 3.3352, 0.2633,  
0.7186

300.2066, 0.3124,

 1.3092, 0.0864,

0.3967

0.9136

357.3068, 0.3126,  
0.3926

0.1483, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.0869, 0.3082,  
0.4514

59.0869, 0.3082,  
0.4514

56.9188, 0.3067,  
0.4872

61.7567, 0.3096,  
0.4166

55.2144, 0.3051,  
0.5218


64.9490, 0.3108,  
0.3842


53.9419, 0.3035,  
0.5525

68.6921, 0.3118,  
0.3550

53.0626, 0.3021,  
0.5765

73.0103, 0.3127,  
0.3292

 52.5308, 0.3010,  
0.5921

 77.9265, 0.3134,  
0.3068

 52.2794, 0.3004,  
0.5997

 80.7277, 0.3142,  
0.2970

# Harmonies

## Analogous

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



59.0869, 0.3777, 0.4606



59.0869, 0.3082, 0.4514



59.0869, 0.2436, 0.3931

# Triad

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



59.0869, 0.3082, 0.4514



59.0869, 0.1996, 0.2240



59.0869, 0.4377, 0.3228

# Complementary

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



59.0869, 0.3082, 0.4514



37.2712, 0.3155, 0.2301

# 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.



59.0869, 0.3782, 0.2737



59.0869, 0.3082, 0.4514



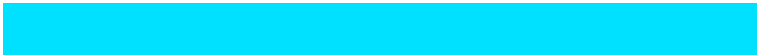
59.0869, 0.2396, 0.2190

# Square

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



59.0869, 0.3082, 0.4514



59.0869, 0.1862, 0.2556



59.0869, 0.3034, 0.2370



59.0869, 0.4574, 0.3769



# Rectangle

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



59.0869, 0.3082, 0.4514



59.0869, 0.2120, 0.3411



59.0869, 0.3034, 0.2370



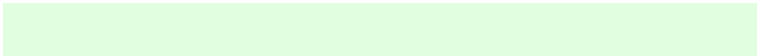
59.0869, 0.4213, 0.3055

# Sweetspot

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



59.0894, 0.3082, 0.4514



92.9435, 0.3117, 0.3605



67.9099, 0.3737, 0.4251



19.7443, 0.3115, 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.



59.0894, 0.3082, 0.4514



78.3789, 0.3069, 0.4811



60.3112, 0.2834, 0.3930



15.3516, 0.3119, 0.3532



31.0562, 0.3005, 0.5996



2.1578, 0.3020, 0.5984



# Inverse Universe

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



37.2712, 0.3155, 0.2301



44.6358, 0.3158, 0.2116



35.6204, 0.3593, 0.2735



13.9194, 0.3134, 0.3059



11.9098, 0.3154, 0.1511



0.8305, 0.3163, 0.1516



# Previews

## White Background



This preview shows how the Yxy color 59.0869, 0.3082, 0.4514 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 59.0869, 0.3082, 0.4514 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

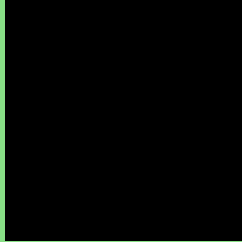
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.0869, 0.3082, 0.4514**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.0869, 0.3082, 0.4514.



This preview shows how white text looks on a background with the Yxy color 59.0869, 0.3082, 0.4514.

# 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

59.0869, 0.3082, 0.4514

### Protanopia

58.3140, 0.3845, 0.4167

### Deuteranopia

58.1180, 0.3954, 0.3861



## Tritanopia

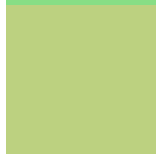
58.9623, 0.2633, 0.3079

# Trichromacy



## Original Color

59.0869, 0.3082, 0.4514



## Protanomaly

57.8508, 0.3530, 0.4305



## Deuteranomaly

57.0746, 0.3605, 0.4096



## Tritanomaly

58.5621, 0.2797, 0.3578

# Monochromacy



## Original Color

59.0869, 0.3082, 0.4514



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

51.8524, 0.3107, 0.3718

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.0869, 0.3082, 0.4514 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, 222, 133)` looks like.

```
.text, #text, p{  
    color:rgb(135, 222, 133)  
}
```

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, 222, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 222, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 59.0869, 0.3082, 0.4514 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, 222, 133) }
```

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

```
.border{ border-color:rgb(135, 222, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 222, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 222, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 222, 133); box-shadow:4px 4px 4px 4px rgb(135, 222, 133) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.0869, 0.3082, 0.4514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 222, 133) }
```

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

```
.background{ background-color: rgb(135,  
222, 133) }
```

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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