

# Converting Colors

Yxy(57.2412, 0.3232, 0.4959)

Have a look what the booklet for  
Yxy(57.2412, 0.3232, 0.4959)  
contains.

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**Color**

**Yxy(57.3596, 0.3228, 0.4963)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82DD63
RGB	130, 221, 99
RGB Percent	51%, 87%, 39%
CMY	0.4904, 0.1333, 0.6118
CMYK	0.41, 0.00, 0.55, 0.13
HSL	105°, 64%, 63%
HSV	105°, 55%, 87%
XYZ	37.3074, 57.3596, 20.9074
YIQ	179.8830, -15.0740, -57.2340

# Conversions

## Conversions Part 2

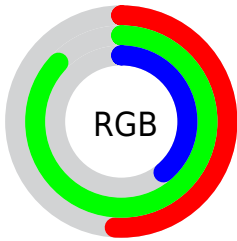
Format	Color
<a href="#">RYB</a>	<a href="#">99, 221, 190</a>
Decimal	<a href="#">8576355</a>
CIELab	<a href="#">80.38, -49.35, 50.79</a>
CIELCh	<a href="#">80, 70.815, 134.173</a>
Yxy	<a href="#">57.3596, 0.3228, 0.4963</a>
Android (android.graphics.Color)	<a href="#">4286766435</a> ( <a href="#">0xFF82DD63</a> )
YUV	<a href="#">179.8830, -39.8753, -43.7474</a>
Hunter-Lab	<a href="#">75.7361, -44.6095, 36.6479</a>

# Details

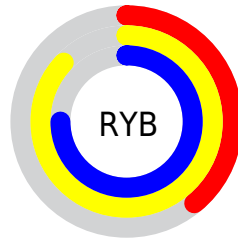
The Yxy color **57.3596, 0.3228, 0.4963** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **25.0997, 0.2870, 0.1858**, and the grayscale version is **45.7936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3847, 0.3271, 0.4452**, and **28.4852, 0.3177, 0.5445** is the 20% darker color. If you saturate the color by 10%, you get **55.7947, 0.3219, 0.5272**, and if you desaturate by 10%, it is **59.2541, 0.3225, 0.4633**.

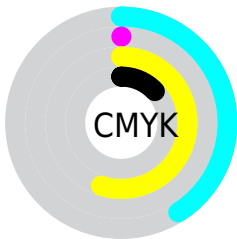
# Distribution



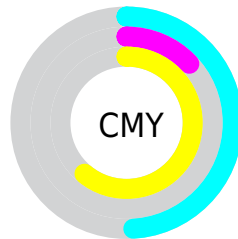
- Red (51%)
- Green (87%)
- Blue (39%)



- Red (39%)
- Yellow (87%)
- Blue (75%)



- Cyan (41%)
- Magenta (0%)
- Yellow (55%)
- Black (13%)




- Cyan (49%)
- Magenta (13%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.3596, 0.3228, 0.4963 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 57.3596, 0.3228, 0.4963 by changing the saturation by 10% instead.




 57.3596, 0.3228,  
0.4963


 57.3596, 0.3228,  
0.4963


414.7954, 0.3226,  
0.4106

 41.2940, 0.3211,  
0.5176


 100.9897, 0.3240,  
0.4651

 28.5489, 0.3180,  
0.5446


 129.3230, 0.3241,  
0.4533

 18.7398, 0.3121,  
0.5794


 162.5144, 0.3240,  
0.4434

 11.4824, 0.3008,  
0.6251

 200.9481, 0.3238,  
0.4349

 6.3923, 0.2853,  
0.7025

245.0087, 0.3235,  
0.4276

 3.0851, 0.2343,  
0.7657

295.0805, 0.3232,

 1.1763, 0.0000,

0.4212

1.0000

351.5480, 0.3229,  
0.4155

■ 0.0422, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.3596, 0.3228,  
0.4963

■ 57.3596, 0.3228,  
0.4963

■ 55.7947, 0.3219,  
0.5272

■ 59.2541, 0.3225,  
0.4633

■ 54.5326, 0.3196,  
0.5539

■ 61.4888, 0.3213,  
0.4302

■ 53.5535, 0.3162,  
0.5744

■ 64.0826, 0.3194,  
0.3984

■ 52.8319, 0.3118,  
0.5878


■ 67.0509, 0.3169,  
0.3688

 52.5624, 0.3098,  
0.5922

 70.4082, 0.3142,  
0.3419

 74.1682, 0.3113,  
0.3178

 78.3439, 0.3085,  
0.2965

 80.2001, 0.3143,  
0.2960

# Harmonies

## Analogous

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



57.3596, 0.4067, 0.4863



57.3596, 0.3228, 0.4963



57.3596, 0.2407, 0.4335

# Triad

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



57.3596, 0.3228, 0.4963



57.3596, 0.1690, 0.2051



57.3596, 0.4576, 0.3043

# Complementary

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



57.3596, 0.3228, 0.4963



25.0997, 0.2870, 0.1858

# 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.



57.3596, 0.3735, 0.2492



57.3596, 0.3228, 0.4963



57.3596, 0.2087, 0.1943

# Square

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



57.3596, 0.3228, 0.4963



57.3596, 0.1600, 0.2489



57.3596, 0.2799, 0.2103



57.3596, 0.4936, 0.3674



# Rectangle

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



57.3596, 0.3228, 0.4963



57.3596, 0.1986, 0.3654



57.3596, 0.2799, 0.2103



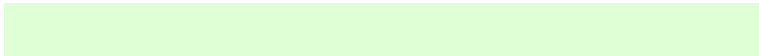
57.3596, 0.4333, 0.2847

# Sweetspot

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



57.3620, 0.3228, 0.4963



91.8874, 0.3174, 0.3743



52.4449, 0.4115, 0.4303



19.4851, 0.3179, 0.3802



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.



57.3620, 0.3228, 0.4963



76.9005, 0.3216, 0.5310



55.9170, 0.2906, 0.4661



14.7650, 0.3154, 0.3529



30.5758, 0.3107, 0.5915



2.0218, 0.3224, 0.5822



# Inverse Universe

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



25.0997, 0.2870, 0.1858



28.0320, 0.2795, 0.1610



28.1269, 0.3501, 0.2245



13.1000, 0.3098, 0.3057



7.7329, 0.2578, 0.1194

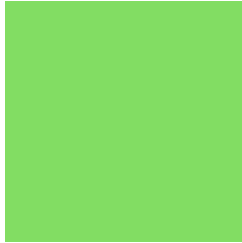


0.5410, 0.2685, 0.1253



# Previews

## White Background



This preview shows how the Yxy color 57.3596, 0.3228, 0.4963 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 57.3596, 0.3228, 0.4963 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 57.3596, 0.3228, 0.4963**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.3596, 0.3228, 0.4963.

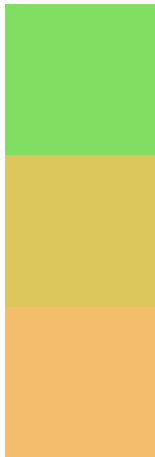


This preview shows how white text looks on a background with the Yxy color 57.3596, 0.3228, 0.4963.

# 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

57.3596, 0.3228, 0.4963

### Protanopia

56.8352, 0.4082, 0.4473

### Deuteranopia

56.5326, 0.4241, 0.4143



## Tritanopia

57.1690, 0.2645, 0.3088

# Trichromacy



## Original Color

57.3596, 0.3228, 0.4963



## Protanomaly

56.0167, 0.3734, 0.4662



## Deuteranomaly

55.3498, 0.3834, 0.4440



## Tritanomaly

56.7725, 0.2866, 0.3747

# Monochromacy



## Original Color

57.3596, 0.3228, 0.4963



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

48.9460, 0.3186, 0.3898

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.3596, 0.3228, 0.4963 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(130, 221, 99)` looks like.

```
.text, #text, p{  
    color:rgb(130, 221, 99)  
}
```

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(130, 221, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 221, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 57.3596, 0.3228, 0.4963 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(130, 221, 99) }
```

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

```
.border{ border-color:rgb(130, 221, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 221, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 221, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 221, 99);  
box-shadow:4px 4px 4px 4px rgb(130, 221,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.3596, 0.3228, 0.4963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 221, 99) }
```

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

```
.background{ background-color: rgb(130,  
221, 99) }
```

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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