

# Converting Colors

Yxy(55.8845, 0.2962, 0.5600)

Have a look what the booklet for  
Yxy(55.8845, 0.2962, 0.5600)  
contains.

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# Color

**Yxy(55.9124, 0.2962, 0.5598)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EE342
RGB	46, 227, 66
RGB Percent	18%, 89%, 26%
CMY	0.8189, 0.1098, 0.7413
CMYK	0.80, 0.00, 0.71, 0.11
HSL	127°, 76%, 54%
HSV	127°, 80%, 89%
XYZ	29.5842, 55.9124, 14.3826
YIQ	154.5270, -56.1950, -88.4430

# Conversions

## Conversions Part 2

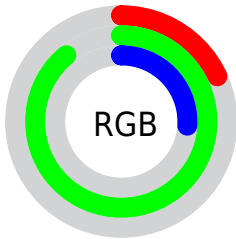
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 209, 227
Decimal	3072834
CIELab	79.56, -73.06, 62.91
CIELCh	80, 96.413, 139.270
Yxy	55.9124, 0.2962, 0.5598
Android (android.graphics.Color)	4281262914 (0xFF2EE342)
YUV	154.5270, -43.6438, -95.1782
Hunter-Lab	74.7746, -60.2328, 40.9380

# Details

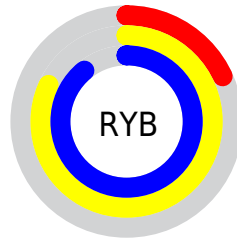
The Yxy color **55.9124, 0.2962, 0.5598** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **22.8124, 0.3433, 0.1782**, and the grayscale version is **32.7953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2102, 0.3058, 0.4962**, and **28.7495, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **55.3200, 0.2969, 0.5800**, and if you desaturate by 10%, it is **56.8723, 0.2964, 0.5334**.

# Distribution



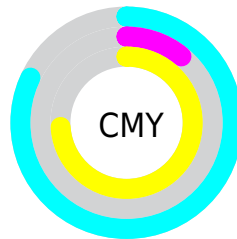
- Red (18%)
- Green (89%)
- Blue (26%)



- Red (18%)
- Yellow (82%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (71%)
- Black (11%)




- Cyan (82%)
- Magenta (11%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9124, 0.2962, 0.5598 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 55.9124, 0.2962, 0.5598 by changing the saturation by 10% instead.





 55.9124, 0.2962,  
0.5598

 55.9124, 0.2962,  
0.5598

409.3613, 0.3131,  
0.4391

 40.1327, 0.2891,  
0.5898


 98.8765, 0.3045,  
0.5156

 27.6420, 0.2783,  
0.6273


 126.8297, 0.3070,  
0.4990

 18.0560, 0.2614,  
0.6746


 159.6094, 0.3088,  
0.4850

 10.9902, 0.2358,  
0.7392

 197.6002, 0.3102,  
0.4731

 6.0602, 0.1905,  
0.8095

 241.1864, 0.3112,  
0.4628

 2.8817, 0.0871,  
0.9129

290.7524, 0.3120,


 1.0703, 0.0000,

0.4539


1.0000

346.6825, 0.3126,  
0.4460

 0.0000, 0.0000,  
0.0000


 55.9124, 0.2962,  
0.5598

 55.9124, 0.2962,  
0.5598


 55.3200, 0.2969,  
0.5800

 56.8723, 0.2964,  
0.5334


 55.0144, 0.2981,  
0.5929


 58.2391, 0.2974,  
0.5026

 55.0064, 0.2981,  
0.5932

 60.0548, 0.2992,  
0.4698


 62.3540, 0.3016,  
0.4370

 65.1682, 0.3043,  
0.4057

 68.5260, 0.3072,  
0.3769

 72.4541, 0.3100,  
0.3511

 76.9772, 0.3128,  
0.3283

 82.1188, 0.3154,  
0.3084

# Harmonies

## Analogous

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



55.9124, 0.4049, 0.5422



55.9124, 0.2962, 0.5598



55.9124, 0.1969, 0.4537

# Triad

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



55.9124, 0.2962, 0.5598



55.9124, 0.1367, 0.1643



55.9124, 0.5239, 0.3029

# Complementary

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



55.9124, 0.2962, 0.5598



22.8124, 0.3433, 0.1782

# 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.



55.9124, 0.4158, 0.2351



55.9124, 0.2962, 0.5598



55.9124, 0.1898, 0.1597

# Square

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



55.9124, 0.2962, 0.5598



55.9124, 0.1191, 0.2061



55.9124, 0.2860, 0.1844



55.9124, 0.5507, 0.3783



# Rectangle

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



55.9124, 0.2962, 0.5598



55.9124, 0.1512, 0.3498



55.9124, 0.2860, 0.1844



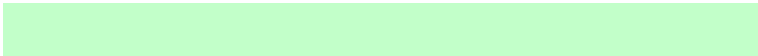
55.9124, 0.4950, 0.2792

# Sweetspot

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



55.9147, 0.2962, 0.5598



87.1566, 0.3059, 0.3895



68.6783, 0.3990, 0.5053



18.3268, 0.3048, 0.4000



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.



55.9147, 0.2962, 0.5598



71.7195, 0.2978, 0.5897



57.8770, 0.2601, 0.4365



16.1147, 0.3101, 0.3506



32.0890, 0.2977, 0.5919



2.3799, 0.2926, 0.5735



# Inverse Universe

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



22.8124, 0.3433, 0.1782



27.0934, 0.3498, 0.1711



19.6179, 0.4810, 0.2624



14.5866, 0.3155, 0.3083



12.0257, 0.3505, 0.1705

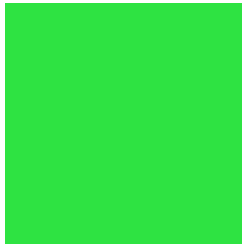


0.8965, 0.3456, 0.1678



# Previews

## White Background



This preview shows how the Yxy color 55.9124, 0.2962, 0.5598 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 55.9124, 0.2962, 0.5598 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 55.9124, 0.2962, 0.5598**

## Background



This preview shows how black text looks on a background with the Yxy color 55.9124, 0.2962, 0.5598.

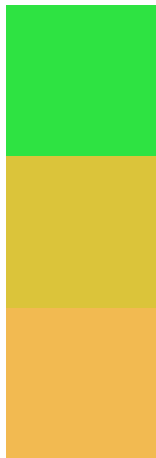


This preview shows how white text looks on a background with the Yxy color 55.9124, 0.2962, 0.5598.

# 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

55.9124, 0.2962, 0.5598

### Protanopia

54.8454, 0.4266, 0.4706

### Deuteranopia

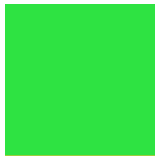
54.5891, 0.4430, 0.4345



## Tritanopia

55.5108, 0.2377, 0.3065

# Trichromacy



## Original Color

55.9124, 0.2962, 0.5598



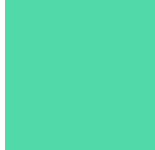
## Protanomaly

52.0305, 0.3635, 0.5131



## Deuteranomaly

50.9530, 0.3729, 0.4873



## Tritanomaly

54.2773, 0.2600, 0.3980

# Monochromacy



## Original Color

55.9124, 0.2962, 0.5598



## Achromatopsia

32.7778, 0.3127, 0.3290



## Achromatomaly

38.1226, 0.3020, 0.4238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.9124, 0.2962, 0.5598 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(46, 227, 66)` looks like.

```
.text, #text, p{  
    color:rgb(46, 227, 66)  
}
```

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(46, 227, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 227, 66) }
```

## Border

The CSS property to change the border of an element to Yxy 55.9124, 0.2962, 0.5598 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(46, 227, 66) }
```

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

```
.border{ border-color:rgb(46, 227, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 227, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 227, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 227, 66);  
box-shadow:4px 4px 4px 4px rgb(46, 227,  
66) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.9124, 0.2962, 0.5598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 227, 66) }
```

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

```
.background{ background-color: rgb(46, 227,  
66) }
```

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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