

# Converting Colors

Yxy(54.8673, 0.3007, 0.5934)

Have a look what the booklet for  
Yxy(54.8673, 0.3007, 0.5934)  
contains.

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# Color

**Yxy(54.6254, 0.3007, 0.5934)**

# Conversions

## Conversions Part 1

Format	Color
Hex	17E214
RGB	23, 226, 20
RGB Percent	9%, 89%, 8%
CMY	0.9087, 0.1137, 0.9213
CMYK	0.90, 0.00, 0.91, 0.11
HSL	119°, 84%, 48%
HSV	119°, 91%, 89%
XYZ	27.6809, 54.6254, 9.7486
YIQ	141.8190, -54.8620, -107.1020

# Conversions

## Conversions Part 2

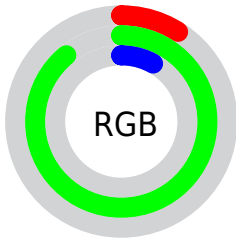
Format	Color
R <sub>Y</sub> B	20, 226, 223
Decimal	1565204
CIE Lab	78.83, -77.30, 74.02
CIE LCh	79, 107.027, 136.244
Yxy	54.6254, 0.3007, 0.5934
Android (android.graphics.Color)	4279755284 (0xFF17E214)
YUV	141.8190, -60.0568, -104.2043
Hunter-Lab	73.9090, -62.4877, 43.9159

# Details

The Yxy color **54.6254, 0.3007, 0.5934** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **21.6475, 0.3172, 0.1549**, and the grayscale version is **27.2695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0057, 0.3132, 0.5303**, and **28.3759, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **54.4143, 0.3003, 0.5998**, and if you desaturate by 10%, it is **55.1332, 0.3017, 0.5789**.

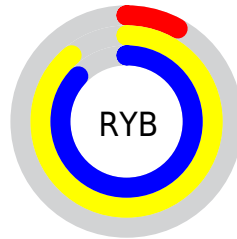
# Distribution



Red (9%)

Green (89%)

Blue (8%)



Red (8%)

Yellow (89%)

Blue (87%)

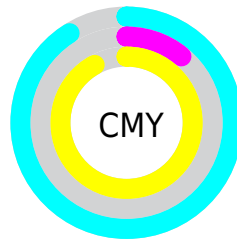


Cyan (90%)

Magenta (0%)

Yellow (91%)

Black (11%)



Cyan (91%)

Magenta (11%)


Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.6254, 0.3007, 0.5934 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 54.6254, 0.3007, 0.5934 by changing the saturation by 10% instead.




 54.6254, 0.3007,  
0.5934


 54.6254, 0.3007,  
0.5934


404.4904, 0.3192,  
0.4561


 39.1019, 0.2918,  
0.6261


 96.9919, 0.3106,  
0.5440


 26.8390, 0.2781,  
0.6657


 124.6037, 0.3134,  
0.5251

 17.4523, 0.2569,  
0.7141


 157.0136, 0.3153,  
0.5091

 10.5575, 0.2245,  
0.7755

 194.6062, 0.3167,  
0.4954

 5.7701, 0.1703,  
0.8297

 237.7658, 0.3177,  
0.4836

 2.7058, 0.0335,  
0.9665


 286.8767, 0.3184,


 0.9802, 0.0000,

0.4732


1.0000


342.3235, 0.3188,  
0.4641


 0.0000, 0.0000,  
0.0000


 54.6254, 0.3007,  
0.5934


 54.6254, 0.3007,  
0.5934


 54.4143, 0.3003,  
0.5998

 55.1332, 0.3017,  
0.5789

 55.9968, 0.3029,  
0.5557

 57.2682, 0.3045,  
0.5257

 58.9893, 0.3061,  
0.4913

 61.1969, 0.3077,  
0.4554

■ 63.9239, 0.3091,  
0.4202

■ 67.2005, 0.3105,  
0.3875

■ 71.0543, 0.3116,  
0.3579

■ 75.5113, 0.3126,  
0.3317

# Harmonies

## Analogous

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



54.6254, 0.4174, 0.5518



54.6254, 0.3007, 0.5934



54.6254, 0.1923, 0.4879

# Triad

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



54.6254, 0.3007, 0.5934



54.6254, 0.1197, 0.1527



54.6254, 0.5389, 0.2893

# Complementary

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



54.6254, 0.3007, 0.5934



21.6475, 0.3172, 0.1549

# 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.



54.6254, 0.4117, 0.2195



54.6254, 0.3007, 0.5934



54.6254, 0.1708, 0.1454

# Square

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



54.6254, 0.3007, 0.5934



54.6254, 0.1044, 0.2000



54.6254, 0.2692, 0.1685



54.6254, 0.5746, 0.3669



# Rectangle

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



54.6254, 0.3007, 0.5934



54.6254, 0.1413, 0.3672



54.6254, 0.2692, 0.1685



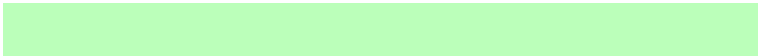
54.6254, 0.5040, 0.2649

# Sweetspot

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



54.6277, 0.3007, 0.5934



85.6646, 0.3097, 0.4070



68.7627, 0.4203, 0.5004



18.0339, 0.3092, 0.4185



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.



54.6277, 0.3007, 0.5934



71.5457, 0.3002, 0.5998



55.8872, 0.2717, 0.4922



15.3474, 0.3118, 0.3532



31.0488, 0.3004, 0.5997



2.1558, 0.3014, 0.5989



# Inverse Universe

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



21.6475, 0.3172, 0.1549



27.7337, 0.3170, 0.1520



18.1892, 0.4713, 0.2421



13.9242, 0.3135, 0.3059



12.0404, 0.3171, 0.1520

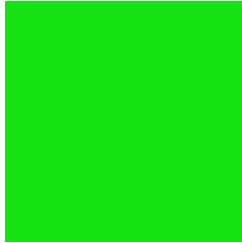


0.8381, 0.3177, 0.1524



# Previews

## White Background



This preview shows how the Yxy color 54.6254, 0.3007, 0.5934 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 54.6254, 0.3007, 0.5934 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

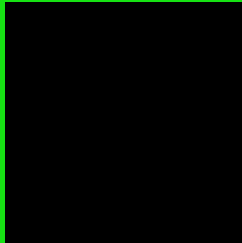
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.6254, 0.3007, 0.5934**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.6254, 0.3007, 0.5934.



This preview shows how white text looks on a background with the Yxy color 54.6254, 0.3007, 0.5934.

# 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

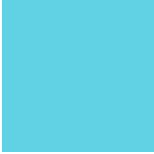
54.6254, 0.3007, 0.5934

### Protanopia

53.4890, 0.4403, 0.4886

### Deuteranopia

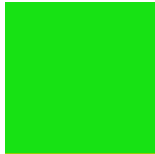
53.1696, 0.4607, 0.4494



## **Tritanopia**

54.1806, 0.2365, 0.3062

# Trichromacy



## Original Color

54.6254, 0.3007, 0.5934



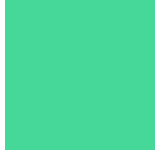
## Protanomaly

50.3610, 0.3686, 0.5437



## Deuteranomaly

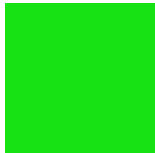
48.7866, 0.3811, 0.5177



## Tritanomaly

52.6808, 0.2650, 0.4263

# Monochromacy



## Original Color

54.6254, 0.3007, 0.5934



## Achromatopsia

27.0498, 0.3127, 0.3290



## Achromatomaly

33.4216, 0.3073, 0.4607

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.6254, 0.3007, 0.5934 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(23, 226, 20)` looks like.

```
.text, #text, p{  
    color:rgb(23, 226, 20)  
}
```

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(23, 226, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 226, 20) }
```

## Border

The CSS property to change the border of an element to Yxy 54.6254, 0.3007, 0.5934 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(23, 226, 20) }
```

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

```
.border{ border-color:rgb(23, 226, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 226, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 226, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 226, 20);  
box-shadow:4px 4px 4px 4px rgb(23, 226,  
20) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.6254, 0.3007, 0.5934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 226, 20) }
```

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

```
.background{ background-color: rgb(23, 226,  
20) }
```

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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