

# Converting Colors

$Yxy(56.1519, 0.3560, 0.5316)$

Have a look what the booklet for  
Yxy(56.1519, 0.3560, 0.5316)  
contains.

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# Color

**Yxy(56.1519, 0.3560, 0.5316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94D932
RGB	148, 217, 50
RGB Percent	58%, 85%, 20%
CMY	0.4195, 0.1490, 0.8039
CMYK	0.32, 0.00, 0.77, 0.15
HSL	85°, 69%, 52%
HSV	85°, 77%, 85%
XYZ	37.6036, 56.1519, 11.8726
YIQ	177.3310, 12.4830, -66.5650

# Conversions

## Conversions Part 2

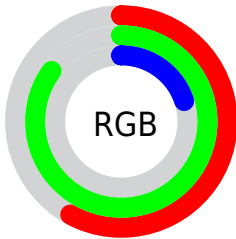
Format	Color
<a href="#">RYB</a>	<a href="#">50, 217, 119</a>
Decimal	<a href="#">9754930</a>
CIELab	<a href="#">79.70, -45.44, 69.45</a>
CIELCh	<a href="#">80, 82.998, 123.198</a>
Yxy	<a href="#">56.1519, 0.3560, 0.5316</a>
Android (android.graphics.Color)	<a href="#">4287945010 (0xFF94D932)</a>
YUV	<a href="#">177.3310, -62.7742, -25.7233</a>
Hunter-Lab	<a href="#">74.9346, -41.5608, 43.0603</a>

# Details

The Yxy color **56.1519, 0.3560, 0.5316** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **11.2108, 0.2145, 0.1130**, and the grayscale version is **44.4844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7459, 0.3607, 0.4834**, and **28.0143, 0.3451, 0.5642** is the 20% darker color. If you saturate the color by 10%, you get **55.2055, 0.3541, 0.5478**, and if you desaturate by 10%, it is **57.2567, 0.3555, 0.5105**.

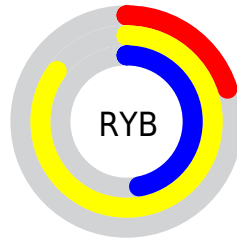
# Distribution



Red (58%)

Green (85%)

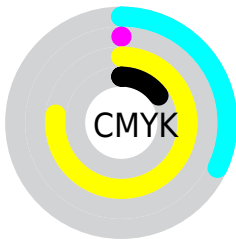
Blue (20%)



Red (20%)

Yellow (85%)

Blue (47%)

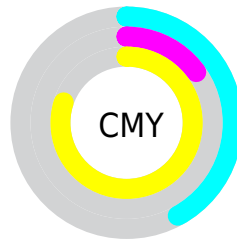


Cyan (32%)

Magenta (0%)

Yellow (77%)

Black (15%)



Cyan (42%)

Magenta (15%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1519, 0.3560, 0.5316 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 56.1519, 0.3560, 0.5316 by changing the saturation by 10% instead.





 56.1519, 0.3560,  
0.5316


 56.1519, 0.3560,  
0.5316


410.2637, 0.3437,  
0.4309

 40.3247, 0.3555,  
0.5546

 99.2266, 0.3541,  
0.4962


 27.7918, 0.3529,  
0.5822


 127.2430, 0.3526,  
0.4825

 18.1688, 0.3460,  
0.6152


 160.0912, 0.3510,  
0.4708

 11.0712, 0.3362,  
0.6638

 198.1556, 0.3495,  
0.4606

 6.1148, 0.3020,  
0.6980

 241.8207, 0.3479,  
0.4517

 2.9150, 0.2496,  
0.7504

291.4708, 0.3464,

 1.0875, 0.0000,

0.4440

1.0000

347.4903, 0.3450,  
0.4371

■ 0.0000, 0.0000,  
0.0000

■ 56.1519, 0.3560,  
0.5316

■ 56.1519, 0.3560,  
0.5316

■ 55.2055, 0.3541,  
0.5478

■ 57.2567, 0.3555,  
0.5105

■ 54.3940, 0.3499,  
0.5587

■ 58.5249, 0.3527,  
0.4855

■ 54.1669, 0.3485,  
0.5615

■ 59.9699, 0.3480,  
0.4579

■ 61.6013, 0.3417,  
0.4291

■ 63.4280, 0.3344,  
0.4004

65.4582, 0.3265,  
0.3725

67.6995, 0.3184,  
0.3462

70.1592, 0.3103,  
0.3218

72.8439, 0.3024,  
0.2995

# Harmonies

## Analogous

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



56.1519, 0.4475, 0.4871



56.1519, 0.3560, 0.5316



56.1519, 0.2588, 0.4931

# Triad

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



56.1519, 0.3560, 0.5316



56.1519, 0.1421, 0.1989



56.1519, 0.4515, 0.2743

# Complementary

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



56.1519, 0.3560, 0.5316



11.2108, 0.2145, 0.1130

# 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.



56.1519, 0.3413, 0.2188



56.1519, 0.3560, 0.5316



56.1519, 0.1732, 0.1762

# Square

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



56.1519, 0.3560, 0.5316



56.1519, 0.1436, 0.2628



56.1519, 0.2398, 0.1844



56.1519, 0.5174, 0.3413



# Rectangle

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



56.1519, 0.3560, 0.5316



56.1519, 0.2036, 0.4180



56.1519, 0.2398, 0.1844



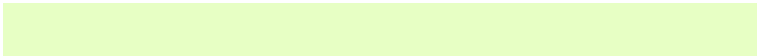
56.1519, 0.4170, 0.2540

# Sweetspot

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



56.1544, 0.3560, 0.5316



92.4729, 0.3315, 0.3898



27.6575, 0.5100, 0.3970



19.5718, 0.3343, 0.4001



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.



56.1544, 0.3560, 0.5316



78.8509, 0.3519, 0.5548



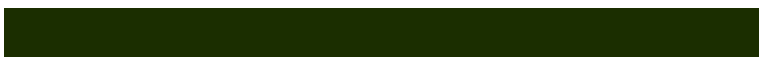
51.0393, 0.3071, 0.5663



14.9819, 0.3204, 0.3525



32.8525, 0.3495, 0.5607



2.1784, 0.3606, 0.5519



# Inverse Universe

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



11.2108, 0.2145, 0.1130



11.5374, 0.1935, 0.0869



19.6113, 0.3014, 0.1574



12.8785, 0.3045, 0.3053



4.3959, 0.1871, 0.0804



0.3345, 0.2055, 0.0906



# Previews

## White Background



This preview shows how the Yxy color 56.1519, 0.3560, 0.5316 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 56.1519, 0.3560, 0.5316 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 56.1519, 0.3560, 0.5316**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.1519, 0.3560, 0.5316.



This preview shows how white text looks on a background with the Yxy color 56.1519, 0.3560, 0.5316.

# 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

56.1519, 0.3560, 0.5316

### Protanopia

55.4941, 0.4322, 0.4772

### Deuteranopia

55.5036, 0.4544, 0.4448



## Tritanopia

55.7380, 0.2780, 0.3091

# Trichromacy



## Original Color

56.1519, 0.3560, 0.5316



## Protanomaly

54.8603, 0.4027, 0.4980



## Deuteranomaly

54.4056, 0.4168, 0.4768



## Tritanomaly

54.6370, 0.3125, 0.3962

# Monochromacy



## Original Color

56.1519, 0.3560, 0.5316



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

47.4450, 0.3371, 0.4136

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.1519, 0.3560, 0.5316 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(148, 217, 50)` looks like.

```
.text, #text, p{  
    color:rgb(148, 217, 50)  
}
```

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(148, 217, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 217, 50) }
```

## Border

The CSS property to change the border of an element to Yxy 56.1519, 0.3560, 0.5316 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(148, 217, 50) }
```

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

```
.border{ border-color:rgb(148, 217, 50) }
```

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

Here you see how a box with a 4 pixel rgb(148, 217, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 217, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 217, 50);  
box-shadow:4px 4px 4px 4px rgb(148, 217,  
50) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.1519, 0.3560, 0.5316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 217, 50) }
```

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

```
.background{ background-color: rgb(148,  
217, 50) }
```

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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