

# Converting Colors

$Y_{xy}(56.0130, 0.3817, 0.5171)$

Have a look what the booklet for  
Yxy(56.0130, 0.3817, 0.5171)  
contains.

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**Color**

**Yxy(55.7616, 0.3820, 0.5171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AED32B
RGB	174, 211, 43
RGB Percent	68%, 83%, 17%
CMY	0.3175, 0.1726, 0.8312
CMYK	0.18, 0.00, 0.80, 0.17
HSL	73°, 66%, 50%
HSV	73°, 80%, 83%
XYZ	41.1931, 55.7616, 10.8806
YIQ	180.7850, 31.8760, -60.0920

# Conversions

## Conversions Part 2

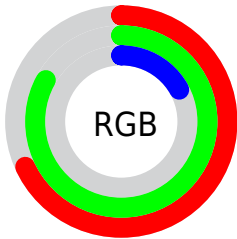
Format	Color
<a href="#">RYB</a>	43, 211, 80
Decimal	11457323
CIELab	79.48, -33.16, 71.81
CIElCh	79, 79.094, 114.787
Yxy	55.7616, 0.3820, 0.5171
Android (android.graphics.Color)	4289647403 (0xFFAED32B)
YUV	180.7850, -67.9280, -5.9504
Hunter-Lab	74.6737, -32.2111, 43.6325

# Details

The Yxy color **55.7616, 0.3820, 0.5171** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **8.1389, 0.1843, 0.0942**, and the grayscale version is **46.4546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8431, 0.3815, 0.4770**, and **27.5588, 0.3763, 0.5394** is the 20% darker color. If you saturate the color by 10%, you get **55.1229, 0.3824, 0.5285**, and if you desaturate by 10%, it is **56.5038, 0.3790, 0.5011**.

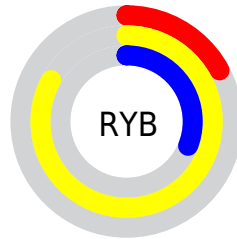
# Distribution



Red (68%)

Green (83%)

Blue (17%)



Red (17%)

Yellow (83%)

Blue (31%)

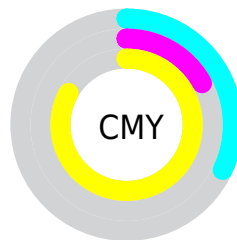


Cyan (18%)

Magenta (0%)

Yellow (80%)

Black (17%)



Cyan (32%)

Magenta (17%)


Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7616, 0.3820, 0.5171 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 55.7616, 0.3820, 0.5171 by changing the saturation by 10% instead.





 55.7616, 0.3820,  
0.5171

 55.7616, 0.3820,  
0.5171


408.7924, 0.3570,  
0.4265


 40.0118, 0.3845,  
0.5368


 98.6559, 0.3757,  
0.4860

 27.5478, 0.3854,  
0.5598


 126.5693, 0.3724,  
0.4737

 17.9850, 0.3830,  
0.5863


 159.3059, 0.3694,  
0.4631

 10.9392, 0.3779,  
0.6221

 197.2502, 0.3665,  
0.4539

 6.0260, 0.3528,  
0.6472

 240.7867, 0.3638,  
0.4457

 2.8609, 0.3134,  
0.6866

 290.2996, 0.3614,

 1.0595, 0.1506,

0.4386

0.8494

346.1734, 0.3591,  
0.4322

0.0000, 0.0000,  
0.0000

55.7616, 0.3820,  
0.5171

55.7616, 0.3820,  
0.5171

55.1229, 0.3824,  
0.5285

56.5038, 0.3790,  
0.5011

54.5611, 0.3806,  
0.5358

57.3530, 0.3735,  
0.4809

54.5394, 0.3806,  
0.5360

58.3211, 0.3659,  
0.4575

59.4162, 0.3565,  
0.4319

60.6458, 0.3460,  
0.4053

■ 62.0166, 0.3348,  
0.3786

■ 63.5350, 0.3235,  
0.3527

■ 65.2069, 0.3123,  
0.3280

■ 67.0376, 0.3015,  
0.3050

# Harmonies

## Analogous

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



55.7616, 0.4644, 0.4639



55.7616, 0.3820, 0.5171



55.7616, 0.2874, 0.5049

# Triad

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



55.7616, 0.3820, 0.5171



55.7616, 0.1450, 0.2170



55.7616, 0.4180, 0.2601

# Complementary

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



55.7616, 0.3820, 0.5171



8.1389, 0.1843, 0.0942

# 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.



55.7616, 0.3106, 0.2110



55.7616, 0.3820, 0.5171



55.7616, 0.1663, 0.1845

# Square

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



55.7616, 0.3820, 0.5171



55.7616, 0.1562, 0.2921



55.7616, 0.2211, 0.1843



55.7616, 0.4976, 0.3232



# Rectangle

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



55.7616, 0.3820, 0.5171



55.7616, 0.2293, 0.4463



55.7616, 0.2211, 0.1843



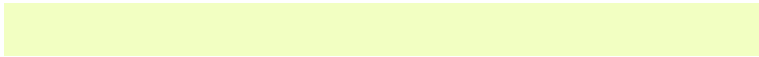
55.7616, 0.3826, 0.2417

# Sweetspot

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



55.7641, 0.3820, 0.5171



94.2010, 0.3401, 0.3910



19.6771, 0.5548, 0.3624



20.0032, 0.3441, 0.4006



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.



55.7641, 0.3820, 0.5171



83.9788, 0.3811, 0.5340



48.9661, 0.3210, 0.5613



13.6610, 0.3233, 0.3522



32.9630, 0.3812, 0.5356



1.8763, 0.3885, 0.5297



# Inverse Universe

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



8.1389, 0.1843, 0.0942



8.5335, 0.1635, 0.0688



14.2632, 0.2649, 0.1359



11.5413, 0.3016, 0.3052



3.2322, 0.1621, 0.0667



0.2166, 0.1805, 0.0768



# Previews

## White Background



This preview shows how the Yxy color 55.7616, 0.3820, 0.5171 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 55.7616, 0.3820, 0.5171 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

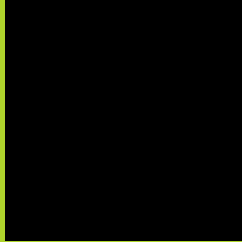
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.7616, 0.3820, 0.5171**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.7616, 0.3820, 0.5171.



This preview shows how white text looks on a background with the Yxy color 55.7616, 0.3820, 0.5171.

# 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

55.7616, 0.3820, 0.5171

### Protanopia

55.4511, 0.4339, 0.4798

### Deuteranopia

54.9865, 0.4592, 0.4489



## Tritanopia

55.3097, 0.2974, 0.3097

# Trichromacy



## Original Color

55.7616, 0.3820, 0.5171

## Protanomaly

55.2316, 0.4149, 0.4938

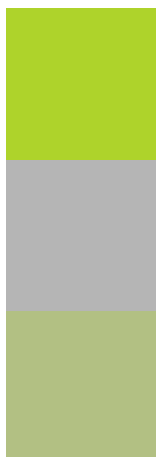
## Deuteranomaly

54.4849, 0.4310, 0.4732

## Tritanomaly

54.3219, 0.3365, 0.3933

# Monochromacy



## Original Color

55.7616, 0.3820, 0.5171

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

48.8029, 0.3476, 0.4107

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.7616, 0.3820, 0.5171 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(174, 211, 43)` looks like.

```
.text, #text, p{  
    color:rgb(174, 211, 43)  
}
```

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(174, 211, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 211, 43) }
```

## Border

The CSS property to change the border of an element to Yxy 55.7616, 0.3820, 0.5171 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(174, 211, 43) }
```

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

```
.border{ border-color:rgb(174, 211, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 211, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 211, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 211, 43);  
box-shadow:4px 4px 4px 4px rgb(174, 211,  
43) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.7616, 0.3820, 0.5171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 211, 43) }
```

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

```
.background{ background-color: rgb(174,  
211, 43) }
```

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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