

# Converting Colors

$Y_{xy}(55.6372, 0.3323, 0.5639)$

Have a look what the booklet for  
Yxy(55.6372, 0.3323, 0.5639)  
contains.

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# Color

**Yxy(55.6513, 0.3322, 0.5640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EDE1E
RGB	110, 222, 30
RGB Percent	43%, 87%, 12%
CMY	0.5689, 0.1294, 0.8823
CMYK	0.50, 0.00, 0.86, 0.13
HSL	95°, 76%, 49%
HSV	95°, 86%, 87%
XYZ	32.7790, 55.6513, 10.2422
YIQ	166.6240, -5.1200, -83.4560

# Conversions

## Conversions Part 2

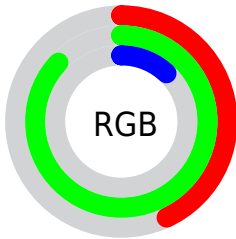
Format	Color
<a href="#">RYB</a>	<a href="#">30, 222, 142</a>
Decimal	<a href="#">7265822</a>
CIELab	<a href="#">79.41, -60.64, 73.55</a>
CIELCh	<a href="#">79, 95.323, 129.503</a>
Yxy	<a href="#">55.6513, 0.3322, 0.5640</a>
Android (android.graphics.Color)	<a href="#">4285455902 (0xFF6EDE1E)</a>
YUV	<a href="#">166.6240, -67.3556, -49.6592</a>
Hunter-Lab	<a href="#">74.5998, -52.1171, 44.0796</a>

# Details

The Yxy color **55.6513, 0.3322, 0.5640** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **11.9632, 0.2322, 0.1119**, and the grayscale version is **38.7795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0410, 0.3423, 0.5071**, and **27.7236, 0.3099, 0.5921** is the 20% darker color. If you saturate the color by 10%, you get **54.8063, 0.3271, 0.5765**, and if you desaturate by 10%, it is **56.7021, 0.3356, 0.5453**.

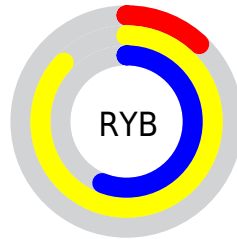
# Distribution



Red (43%)

Green (87%)

Blue (12%)



Red (12%)

Yellow (87%)

Blue (56%)

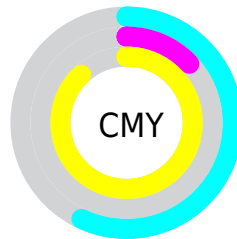


Cyan (50%)

Magenta (0%)

Yellow (86%)

Black (13%)



Cyan (57%)

Magenta (13%)


Yellow (88%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6513, 0.3322, 0.5640 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 55.6513, 0.3322, 0.5640 by changing the saturation by 10% instead.





 55.6513, 0.3322,  
0.5640

 55.6513, 0.3322,  
0.5640


 408.3761, 0.3338,  
0.4450


 39.9234, 0.3277,  
0.5915


 98.4946, 0.3358,  
0.5218


 27.4788, 0.3196,  
0.6247


 126.3787, 0.3363,  
0.5056

 17.9332, 0.3054,  
0.6644


 159.0838, 0.3363,  
0.4917

 10.9020, 0.2831,  
0.7169

 196.9941, 0.3360,  
0.4797

 6.0010, 0.2381,  
0.7619

 240.4941, 0.3356,  
0.4693

 2.8457, 0.1651,  
0.8349

 289.9682, 0.3350,


 1.0517, 0.0000,

0.4602

1.0000


345.8007, 0.3344,  
0.4522

 0.0000, 0.0000,  
0.0000


 55.6513, 0.3322,  
0.5640


 55.6513, 0.3322,  
0.5640

 54.8063, 0.3271,  
0.5765


 56.7021, 0.3356,  
0.5453


 54.5460, 0.3252,  
0.5800


 57.9711, 0.3371,  
0.5211


 59.4770, 0.3367,  
0.4930


 61.2343, 0.3345,  
0.4625

 63.2559, 0.3310,  
0.4313

 65.5538, 0.3266,  
0.4008

 68.1393, 0.3215,  
0.3719

 71.0228, 0.3162,  
0.3451

 74.2142, 0.3108,  
0.3207

# Harmonies

## Analogous

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



55.6513, 0.4378, 0.5178



55.6513, 0.3322, 0.5640



55.6513, 0.2272, 0.4981

# Triad

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



55.6513, 0.3322, 0.5640



55.6513, 0.1286, 0.1744



55.6513, 0.4940, 0.2803

# Complementary

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



55.6513, 0.3322, 0.5640



11.9632, 0.2322, 0.1119

# 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.



55.6513, 0.3718, 0.2170



55.6513, 0.3322, 0.5640



55.6513, 0.1691, 0.1590

# Square

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



55.6513, 0.3322, 0.5640



55.6513, 0.1219, 0.2316



55.6513, 0.2504, 0.1744



55.6513, 0.5500, 0.3532



# Rectangle

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



55.6513, 0.3322, 0.5640



55.6513, 0.1721, 0.3995



55.6513, 0.2504, 0.1744



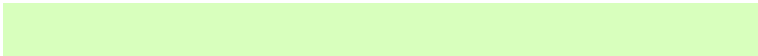
55.6513, 0.4576, 0.2576

# Sweetspot

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



55.6537, 0.3322, 0.5640



89.8250, 0.3265, 0.3999



34.9750, 0.4950, 0.4324



18.9810, 0.3281, 0.4104



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.



55.6537, 0.3322, 0.5640



74.5924, 0.3246, 0.5804



52.7233, 0.2977, 0.5781



15.6145, 0.3178, 0.3528



32.4566, 0.3262, 0.5792



2.3014, 0.3384, 0.5695



# Inverse Universe

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



11.9632, 0.2322, 0.1119



13.5969, 0.2178, 0.0974



20.9176, 0.3396, 0.1702



13.6365, 0.3072, 0.3054



5.9995, 0.2199, 0.0985

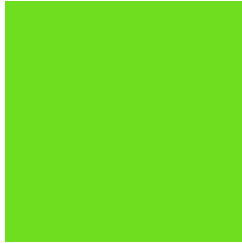


0.4680, 0.2351, 0.1069



# Previews

## White Background



This preview shows how the Yxy color 55.6513, 0.3322, 0.5640 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 55.6513, 0.3322, 0.5640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

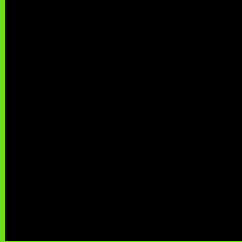
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

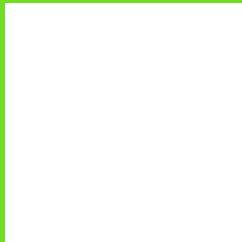
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.6513, 0.3322, 0.5640**

## Background



This preview shows how black text looks on a background with the Yxy color 55.6513, 0.3322, 0.5640.



This preview shows how white text looks on a background with the Yxy color 55.6513, 0.3322, 0.5640.

# 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

55.6513, 0.3322, 0.5640

### Protanopia

54.7496, 0.4378, 0.4853

### Deuteranopia

54.3674, 0.4601, 0.4495



## Tritanopia

55.5288, 0.2580, 0.3084

# Trichromacy



## Original Color

55.6513, 0.3322, 0.5640



## Protanomaly

53.4319, 0.3952, 0.5174



## Deuteranomaly

52.3134, 0.4096, 0.4934



## Tritanomaly

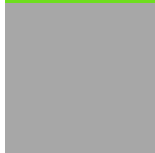
54.0540, 0.2928, 0.4128

# Monochromacy



## Original Color

55.6513, 0.3322, 0.5640



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

42.9360, 0.3311, 0.4330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.6513, 0.3322, 0.5640 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(110, 222, 30)` looks like.

```
.text, #text, p{  
    color:rgb(110, 222, 30)  
}
```

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(110, 222, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 222, 30) }
```

## Border

The CSS property to change the border of an element to Yxy 55.6513, 0.3322, 0.5640 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(110, 222, 30) }
```

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

```
.border{ border-color:rgb(110, 222, 30) }
```

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

Here you see how a box with a 4 pixel rgb(110, 222, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 222, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 222, 30);  
box-shadow:4px 4px 4px 4px rgb(110, 222,  
30) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.6513, 0.3322, 0.5640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 222, 30) }
```

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

```
.background{ background-color: rgb(110,  
222, 30) }
```

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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