

Converting Colors

$Y_{xy}(55.5959, 0.3361, 0.5665)$

Have a look what the booklet for
Yxy(55.5959, 0.3361, 0.5665)
contains.

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Color

Yxy(55.7969, 0.3356, 0.5668)

Conversions

Conversions Part 1

Format	Color
Hex	71DE12
RGB	113, 222, 18
RGB Percent	44%, 87%, 7%
CMY	0.5570, 0.1294, 0.9287
CMYK	0.49, 0.00, 0.92, 0.13
HSL	92°, 85%, 47%
HSV	92°, 92%, 87%
XYZ	33.0371, 55.7969, 9.6079
YIQ	166.1530, 0.5200, -86.5520

Conversions

Conversions Part 2

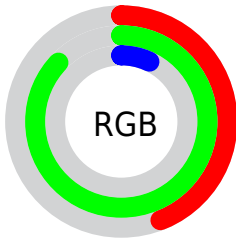
Format	Color
RYB	18, 222, 127
Decimal	7462418
CIELab	79.50, -60.08, 75.61
CIELCh	79, 96.573, 128.469
Yxy	55.7969, 0.3356, 0.5668
Android (android.graphics.Color)	4285652498 (0xFF71DE12)
YUV	166.1530, -73.0394, -46.6152
Hunter-Lab	74.6973, -51.7734, 44.6620

Details

The Yxy color **55.7969, 0.3356, 0.5668** 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 **10.2433, 0.2168, 0.1001**, and the grayscale version is **38.5771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2740, 0.3464, 0.5110**, and **27.8079, 0.3117, 0.5907** is the 20% darker color. If you saturate the color by 10%, you get **55.1443, 0.3311, 0.5753**, and if you desaturate by 10%, it is **56.7506, 0.3398, 0.5518**.

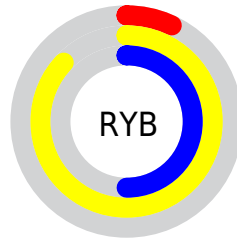
Distribution



Red (44%)

Green (87%)

Blue (7%)



Red (7%)

Yellow (87%)

Blue (50%)

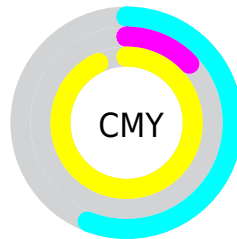


Cyan (49%)

Magenta (0%)

Yellow (92%)

Black (13%)



Cyan (56%)


Magenta (13%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7969, 0.3356, 0.5668 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 55.7969, 0.3356, 0.5668 by changing the saturation by 10% instead.


 55.7969, 0.3356,
0.5668

 55.7969, 0.3356,
0.5668


408.9256, 0.3362,
0.4471


 40.0401, 0.3311,
0.5941


 98.7076, 0.3390,
0.5246

 27.5698, 0.3230,
0.6268


 126.6302, 0.3394,
0.5083


 18.0016, 0.3088,
0.6660


 159.3770, 0.3392,
0.4943

 10.9512, 0.2853,
0.7147

 197.3322, 0.3388,
0.4822

 6.0340, 0.2408,
0.7592

 240.8803, 0.3382,
0.4717

 2.8658, 0.1695,
0.8305

 290.4056, 0.3376,

 1.0621, 0.0000,

0.4625

1.0000

346.2926, 0.3369,
0.4543

■ 0.0000, 0.0000,
0.0000

■ 55.7969, 0.3356,
0.5668

■ 55.7969, 0.3356,
0.5668

■ 55.1443, 0.3311,
0.5753

■ 56.7506, 0.3398,
0.5518

■ 57.8956, 0.3419,
0.5310

■ 59.2508, 0.3419,
0.5056

■ 60.8305, 0.3400,
0.4769

■ 62.6472, 0.3364,
0.4466

■ 64.7124, 0.3316,
0.4162

■ 67.0369, 0.3260,
0.3867

■ 69.6305, 0.3200,
0.3590

■ 72.5026, 0.3138,
0.3334

Harmonies

Analogous

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



55.7969, 0.4418, 0.5166



55.7969, 0.3356, 0.5668



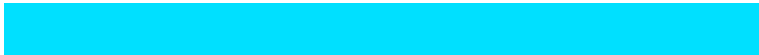
55.7969, 0.2293, 0.5050

Triad

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



55.7969, 0.3356, 0.5668



55.7969, 0.1263, 0.1740



55.7969, 0.4927, 0.2772

Complementary

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



55.7969, 0.3356, 0.5668



10.2433, 0.2168, 0.1001

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.



55.7969, 0.3678, 0.2140



55.7969, 0.3356, 0.5668



55.7969, 0.1658, 0.1575

Square

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



55.7969, 0.3356, 0.5668



55.7969, 0.1206, 0.2333



55.7969, 0.2460, 0.1720



55.7969, 0.5521, 0.3502

Rectangle

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



55.7969, 0.3356, 0.5668



55.7969, 0.1730, 0.4057



55.7969, 0.2460, 0.1720



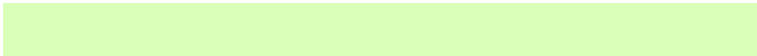
55.7969, 0.4551, 0.2545

Sweetspot

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



55.7993, 0.3356, 0.5668



89.6847, 0.3297, 0.4054



30.7257, 0.5176, 0.4206



18.9121, 0.3320, 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.



55.7993, 0.3356, 0.5668



75.4112, 0.3306, 0.5757



52.4479, 0.2995, 0.5917



15.6480, 0.3186, 0.3527



32.8164, 0.3322, 0.5744



2.3275, 0.3442, 0.5649

Inverse Universe

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



10.2433, 0.2168, 0.1001



12.4908, 0.2075, 0.0916



20.8870, 0.3286, 0.1610



13.6025, 0.3064, 0.3054



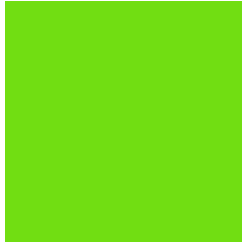
5.5197, 0.2097, 0.0929



0.4357, 0.2259, 0.1018

Previews

White Background



This preview shows how the Yxy color 55.7969, 0.3356, 0.5668 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 55.7969, 0.3356, 0.5668 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 55.7969, 0.3356, 0.5668

Background



This preview shows how black text looks on a background with the Yxy color 55.7969, 0.3356, 0.5668.



This preview shows how white text looks on a background with the Yxy color 55.7969, 0.3356, 0.5668.

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

55.7969, 0.3356, 0.5668

Protanopia

54.8520, 0.4410, 0.4881

Deuteranopia

54.9240, 0.4619, 0.4522



Tritanopia

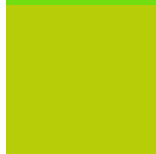
55.2211, 0.2589, 0.3072

Trichromacy



Original Color

55.7969, 0.3356, 0.5668



Protanomaly

53.6231, 0.3990, 0.5198



Deuteranomaly

52.9862, 0.4128, 0.4966



Tritanomaly

54.0822, 0.2965, 0.4184

Monochromacy



Original Color

55.7969, 0.3356, 0.5668



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

42.4907, 0.3358, 0.4388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7969, 0.3356, 0.5668 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(113, 222, 18)` looks like.

```
.text, #text, p{  
    color:rgb(113, 222, 18)  
}
```

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(113, 222, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 222, 18) }
```

Border

The CSS property to change the border of an element to Yxy 55.7969, 0.3356, 0.5668 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(113, 222, 18) }
```

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

```
.border{ border-color:rgb(113, 222, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 222, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 222, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 222, 18);  
box-shadow:4px 4px 4px 4px rgb(113, 222,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7969, 0.3356, 0.5668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 222, 18) }
```

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

```
.background{ background-color: rgb(113,  
222, 18) }
```

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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