

Converting Colors

$Yxy(73.9244, 0.3169, 0.5789)$

Have a look what the booklet for
Yxy(73.9244, 0.3169, 0.5789)
contains.

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Color

Yxy(73.9359, 0.3170, 0.5788)

Conversions

Conversions Part 1

Format	Color
Hex	5DFF1D
RGB	93, 255, 29
RGB Percent	36%, 100%, 11%
CMY	0.6355, 0.0000, 0.8855
CMYK	0.64, 0.00, 0.89, 0.00
HSL	103°, 100%, 56%
HSV	103°, 89%, 100%
XYZ	40.4936, 73.9359, 13.3105
YIQ	180.7980, -24.0060, -104.6300

Conversions

Conversions Part 2

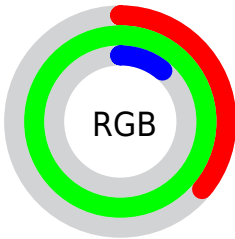
Format	Color
RYB	29, 255, 191
Decimal	6160157
CIELab	88.89, -75.89, 81.59
CIELCh	89, 111.428, 132.928
Yxy	73.9359, 0.3170, 0.5788
Android (android.graphics.Color)	4284350237 (0xFF5DFF1D)
YUV	180.7980, -74.8364, -76.9988
Hunter-Lab	85.9860, -66.4141, 51.0122

Details

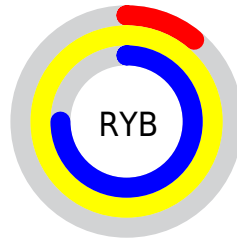
The Yxy color **73.9359, 0.3170, 0.5788** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed green. A complement of this color would be **19.2164, 0.2576, 0.1236**, and the grayscale version is **46.5179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0367, 0.3346, 0.5071**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **73.0096, 0.3122, 0.5896**, and if you desaturate by 10%, it is **75.1883, 0.3210, 0.5609**.

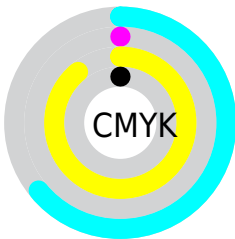
Distribution



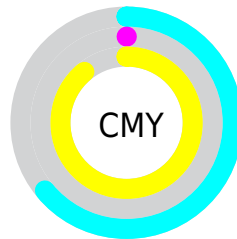
- Red (36%)
- Green (100%)
- Blue (11%)



- Red (11%)
- Yellow (100%)
- Blue (75%)



- Cyan (64%)
- Magenta (0%)
- Yellow (89%)
- Black (0%)





- Cyan (64%)
- Magenta (0%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.9359, 0.3170, 0.5788 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 73.9359, 0.3170, 0.5788 by changing the saturation by 10% instead.


 73.9359, 0.3170,
0.5788


 73.9359, 0.3170,
0.5788


474.2521, 0.3270,
0.4570


 54.7416, 0.3111,
0.6058


 124.8049, 0.3233,
0.5367

 39.1949, 0.3019,
0.6379

 157.2484, 0.3249,
0.5201


 26.9113, 0.2875,
0.6758


 194.8771, 0.3260,
0.5059

 17.5067, 0.2668,
0.7254


 238.0754, 0.3266,
0.4935

 10.5964, 0.2295,
0.7705

 287.2276, 0.3269,
0.4826

 5.7961, 0.1759,
0.8241

 342.7182, 0.3270,

 2.7215, 0.0473,

0.4731

0.9527

404.9316, 0.3270,
0.4646

■ 0.9881, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.9359, 0.3170,
0.5788

■ 73.9359, 0.3170,
0.5788

■ 73.0096, 0.3122,
0.5896


■ 75.1883, 0.3210,
0.5609

■ 72.8975, 0.3115,
0.5909


■ 76.8120, 0.3237,
0.5365


■ 78.8357, 0.3250,
0.5071

■ 81.2867, 0.3249,
0.4748

 84.1894, 0.3236,
0.4416

 87.5664, 0.3214,
0.4092

 91.4385, 0.3187,
0.3787

 95.8255, 0.3155,
0.3507

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



73.9359, 0.4285, 0.5344



73.9359, 0.3170, 0.5788



73.9359, 0.2099, 0.4943

Triad

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



73.9359, 0.3170, 0.5788



73.9359, 0.1238, 0.1632



73.9359, 0.5164, 0.2848

Complementary

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



73.9359, 0.3170, 0.5788



19.2164, 0.2576, 0.1236

Split Complementary

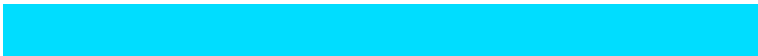
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.9359, 0.3910, 0.2181



73.9359, 0.3170, 0.5788



73.9359, 0.1697, 0.1520

Square

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



73.9359, 0.3170, 0.5788



73.9359, 0.1128, 0.2156



73.9359, 0.2592, 0.1712



73.9359, 0.5631, 0.3602

Rectangle

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



73.9359, 0.3170, 0.5788



73.9359, 0.1565, 0.3843



73.9359, 0.2592, 0.1712



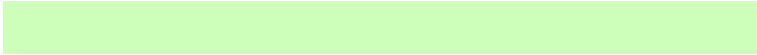
73.9359, 0.4804, 0.2612

Sweetspot

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



73.9339, 0.3170, 0.5788



88.1346, 0.3210, 0.4043



58.6203, 0.4694, 0.4578



18.6003, 0.3219, 0.4151



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.



73.9339, 0.3170, 0.5788



72.8975, 0.3115, 0.5909



72.3357, 0.2914, 0.5599



20.4164, 0.3158, 0.3533



38.1549, 0.3125, 0.5901



3.7672, 0.3205, 0.5837

Inverse Universe

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



19.2164, 0.2576, 0.1236



17.2878, 0.2491, 0.1146



26.6080, 0.3768, 0.1897



18.0276, 0.3092, 0.3053



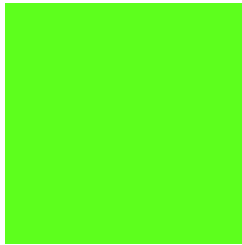
9.1124, 0.2503, 0.1153



0.9424, 0.2586, 0.1198

Previews

White Background



This preview shows how the Yxy color 73.9359, 0.3170, 0.5788 looks on a white background.

Color Contrast Check

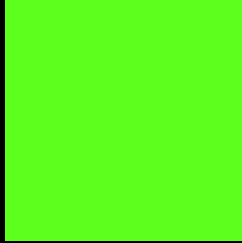
Large Text (above 18pt) WCAG AA × Fail

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 73.9359, 0.3170, 0.5788 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

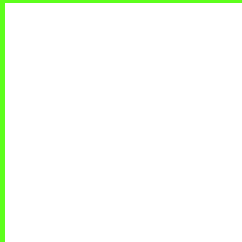
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.9359, 0.3170, 0.5788

Background



This preview shows how black text looks on a background with the Yxy color 73.9359, 0.3170, 0.5788.

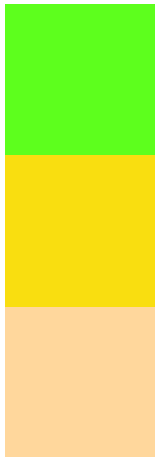


This preview shows how white text looks on a background with the Yxy color 73.9359, 0.3170, 0.5788.

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

73.9359, 0.3170, 0.5788

Protanopia

72.4197, 0.4389, 0.4869

Deuteranopia

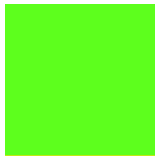
72.2612, 0.3858, 0.3897



Tritanopia

73.5392, 0.2492, 0.3081

Trichromacy



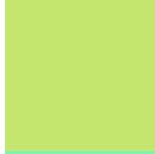
Original Color

73.9359, 0.3170, 0.5788



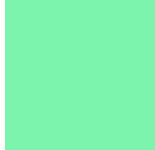
Protanomaly

70.1062, 0.3859, 0.5274



Deuteranomaly

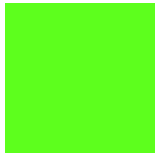
69.4552, 0.3624, 0.4672



Tritanomaly

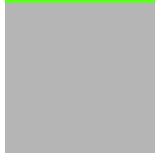
72.0036, 0.2817, 0.4208

Monochromacy



Original Color

73.9359, 0.3170, 0.5788



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

53.0077, 0.3236, 0.4430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9359, 0.3170, 0.5788 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(93, 255, 29)` looks like.

```
.text, #text, p{  
    color:rgb(93, 255, 29)  
}
```

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(93, 255, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 255, 29) }
```

Border

The CSS property to change the border of an element to Yxy 73.9359, 0.3170, 0.5788 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(93, 255, 29) }
```

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

```
.border{ border-color:rgb(93, 255, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 255, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 255, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 255, 29);  
box-shadow:4px 4px 4px 4px rgb(93, 255,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9359, 0.3170, 0.5788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 255, 29) }
```

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

```
.background{ background-color: rgb(93, 255,  
29) }
```

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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