

Converting Colors

Yxy(53.3817, 0.3186, 0.5845)

Have a look what the booklet for
Yxy(53.3817, 0.3186, 0.5845)
contains.

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Color

Yxy(53.3817, 0.3186, 0.5845)

Conversions

Conversions Part 1

Format	Color
Hex	4FDD03
RGB	79, 221, 3
RGB Percent	31%, 87%, 1%
CMY	0.6901, 0.1333, 0.9890
CMYK	0.64, 0.00, 0.99, 0.13
HSL	99°, 97%, 44%
HSV	99°, 99%, 87%
XYZ	29.0974, 53.3817, 8.8498
YIQ	153.6900, -14.6540, -97.9020

Conversions

Conversions Part 2

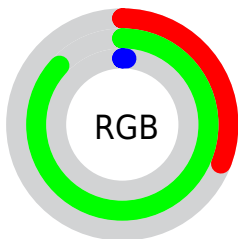
Format	Color
RYB	3, 221, 145
Decimal	5233923
CIELab	78.10, -68.62, 75.61
CIELCh	78, 102.103, 132.226
Yxy	53.3817, 0.3186, 0.5845
Android (android.graphics.Color)	4283424003 (0xFF4FDD03)
YUV	153.6900, -74.2902, -65.5031
Hunter-Lab	73.0628, -56.7720, 43.9624

Details

The Yxy color **53.3817, 0.3186, 0.5845** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **11.2821, 0.2348, 0.1072**, and the grayscale version is **32.5017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2116, 0.3304, 0.5262**, and **26.5509, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.3007, 0.3180, 0.5857**, and if you desaturate by 10%, it is **54.1326, 0.3238, 0.5730**.

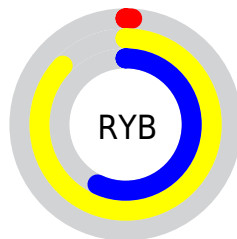
Distribution



Red (31%)

Green (87%)

Blue (1%)



Red (1%)

Yellow (87%)

Blue (57%)

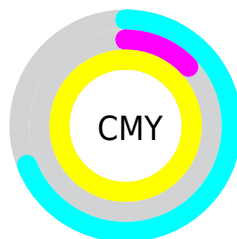


Cyan (64%)

Magenta (0%)

Yellow (99%)

Black (13%)



Cyan (69%)


Magenta (13%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3817, 0.3186, 0.5845 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 53.3817, 0.3186, 0.5845 by changing the saturation by 10% instead.

 53.3817, 0.3186,
0.5845

 53.3817, 0.3186,
0.5845


399.7478, 0.3285,
0.4533


 38.1076, 0.3115,
0.6151


 95.1658, 0.3256,
0.5377


 26.0662, 0.2999,
0.6518


 122.4446, 0.3272,
0.5197


 16.8732, 0.2815,
0.6974


 154.4936, 0.3282,
0.5044

 10.1441, 0.2504,
0.7496

 191.6975, 0.3286,
0.4913

 5.4946, 0.1987,
0.8013

 234.4404, 0.3288,
0.4798

 2.5403, 0.0828,
0.9172

 283.1068, 0.3288,

 0.8967, 0.0000,

0.4699

1.0000

338.0812, 0.3287,
0.4611

■ 0.0000, 0.0000,
0.0000

■ 53.3817, 0.3186,
0.5845

■ 53.3817, 0.3186,
0.5845

■ 53.3007, 0.3180,
0.5857

■ 54.1326, 0.3238,
0.5730

■ 55.0944, 0.3278,
0.5552

■ 56.2950, 0.3302,
0.5313

■ 57.7533, 0.3309,
0.5029

■ 59.4858, 0.3299,
0.4718

■ 61.5074, 0.3277,
0.4397

■ 63.8319, 0.3245,
0.4083

■ 66.4720, 0.3207,
0.3785

■ 69.4398, 0.3165,
0.3510

Harmonies

Analogous

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



53.3817, 0.4316, 0.5352



53.3817, 0.3186, 0.5845



53.3817, 0.2097, 0.5020

Triad

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



53.3817, 0.3186, 0.5845



53.3817, 0.1206, 0.1612



53.3817, 0.5183, 0.2819

Complementary

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



53.3817, 0.3186, 0.5845



11.2821, 0.2348, 0.1072

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.



53.3817, 0.3890, 0.2148



53.3817, 0.3186, 0.5845



53.3817, 0.1658, 0.1493

Square

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



53.3817, 0.3186, 0.5845



53.3817, 0.1101, 0.2151



53.3817, 0.2553, 0.1681



53.3817, 0.5676, 0.3576

Rectangle

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



53.3817, 0.3186, 0.5845



53.3817, 0.1551, 0.3892



53.3817, 0.2553, 0.1681



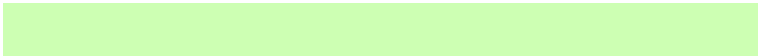
53.3817, 0.4809, 0.2581

Sweetspot

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



53.3840, 0.3186, 0.5845



87.7650, 0.3251, 0.4130



35.5177, 0.4972, 0.4426



18.4876, 0.3265, 0.4263



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.



53.3840, 0.3186, 0.5845



73.6472, 0.3174, 0.5861



51.8575, 0.2967, 0.5871



14.8263, 0.3168, 0.3528



31.0192, 0.3190, 0.5849



2.0566, 0.3318, 0.5747

Inverse Universe

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



11.2821, 0.2348, 0.1072



15.3197, 0.2331, 0.1058



19.0762, 0.3627, 0.1776



13.0354, 0.3082, 0.3056



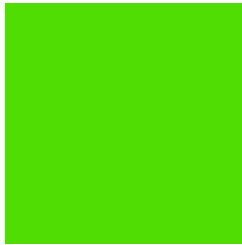
6.5324, 0.2350, 0.1068



0.4705, 0.2492, 0.1146

Previews

White Background



This preview shows how the Yxy color 53.3817, 0.3186, 0.5845 looks on a white background.

Color Contrast Check

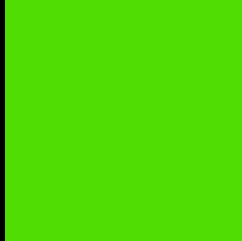
Large Text (above 18pt) WCAG AA × Fail

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 53.3817, 0.3186, 0.5845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

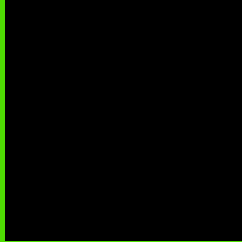
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

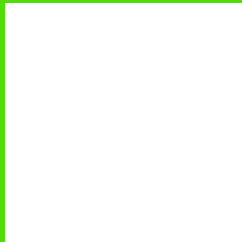
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.3817, 0.3186, 0.5845

Background



This preview shows how black text looks on a background with the Yxy color 53.3817, 0.3186, 0.5845.



This preview shows how white text looks on a background with the Yxy color 53.3817, 0.3186, 0.5845.

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

53.3817, 0.3186, 0.5845

Protanopia

52.2982, 0.4405, 0.4884

Deuteranopia

52.3619, 0.4619, 0.4520



Tritanopia

52.7881, 0.2465, 0.3063

Trichromacy



Original Color

53.3817, 0.3186, 0.5845



Protanomaly

50.8211, 0.3872, 0.5305



Deuteranomaly

49.5239, 0.4025, 0.5075



Tritanomaly

51.4846, 0.2845, 0.4322

Monochromacy



Original Color

53.3817, 0.3186, 0.5845



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

37.2537, 0.3293, 0.4557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3817, 0.3186, 0.5845 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(79, 221, 3)` looks like.

```
.text, #text, p{  
    color:rgb(79, 221, 3)  
}
```

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(79, 221, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 221, 3) }
```

Border

The CSS property to change the border of an element to Yxy 53.3817, 0.3186, 0.5845 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(79, 221, 3) }
```

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

```
.border{ border-color:rgb(79, 221, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 221, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 221, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 221, 3);  
box-shadow:4px 4px 4px 4px rgb(79, 221, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 53.3817, 0.3186, 0.5845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 221, 3) }
```

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

```
.background{ background-color: rgb(79, 221,  
3) }
```

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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