

Converting Colors

Yxy(53.5802, 0.3016, 0.5761)

Have a look what the booklet for
Yxy(53.5802, 0.3016, 0.5761)
contains.

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Color

Yxy(53.5692, 0.3016, 0.5763)

Conversions

Conversions Part 1

Format	Color
Hex	2FDF2D
RGB	47, 223, 45
RGB Percent	18%, 87%, 18%
CMY	0.8156, 0.1255, 0.8233
CMYK	0.79, 0.00, 0.80, 0.13
HSL	119°, 74%, 53%
HSV	119°, 80%, 87%
XYZ	28.0348, 53.5692, 11.3496
YIQ	150.0840, -47.7580, -92.6700

Conversions

Conversions Part 2

Format	Color
RYB	45, 223, 221
Decimal	3137325
CIELab	78.21, -73.25, 68.31
CIELCh	78, 100.154, 136.999
Yxy	53.5692, 0.3016, 0.5763
Android (android.graphics.Color)	4281327405 (0xFF2FDF2D)
YUV	150.0840, -51.8064, -90.4047
Hunter-Lab	73.1910, -59.7122, 42.0397

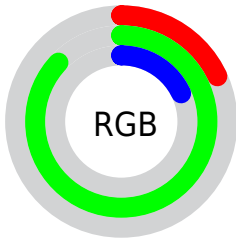
Details

The Yxy color **53.5692, 0.3016, 0.5763** is a dark color, and the websafe version is hex **00CC00**.

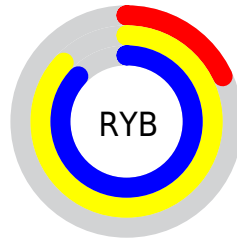
The color can be described as dark washed green. A complement of this color would be **22.5879, 0.3183, 0.1631**, and the grayscale version is **30.7815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8250, 0.3125, 0.5150**, and **27.2724, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.0439, 0.3007, 0.5920**, and if you desaturate by 10%, it is **54.4541, 0.3029, 0.5521**.

Distribution



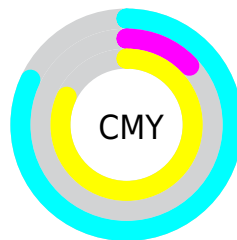
- Red (18%)
- Green (87%)
- Blue (18%)



- Red (18%)
- Yellow (87%)
- Blue (87%)



- Cyan (79%)
- Magenta (0%)
- Yellow (80%)
- Black (13%)




- Cyan (82%)
- Magenta (13%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5692, 0.3016, 0.5763 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 53.5692, 0.3016, 0.5763 by changing the saturation by 10% instead.


 53.5692, 0.3016,
0.5763


 53.5692, 0.3016,
0.5763


400.4651, 0.3177,
0.4469


 38.2574, 0.2938,
0.6079


 95.4414, 0.3102,
0.5292


 26.1825, 0.2818,
0.6469


 122.7706, 0.3126,
0.5114


 16.9602, 0.2626,
0.6949

 154.8743, 0.3143,
0.4964

 10.2061, 0.2352,
0.7648

 192.1370, 0.3155,
0.4836

 5.5358, 0.1815,
0.8185

 234.9430, 0.3164,
0.4725

 2.5650, 0.0475,
0.9525

 283.6768, 0.3170,

 0.9091, 0.0000,

0.4629

1.0000

338.7227, 0.3174,
0.4544

■ 0.0000, 0.0000,
0.0000

■ 53.5692, 0.3016,
0.5763

■ 53.5692, 0.3016,
0.5763

■ 53.0439, 0.3007,
0.5920

■ 54.4541, 0.3029,
0.5521

■ 52.7966, 0.3002,
0.5997


■ 55.7396, 0.3044,
0.5213

■ 52.7927, 0.3002,
0.5999


■ 57.4683, 0.3060,
0.4865


■ 59.6755, 0.3076,
0.4506

■ 62.3932, 0.3091,
0.4157

 65.6503, 0.3105,
0.3833

 69.4740, 0.3117,
0.3542

 73.8892, 0.3127,
0.3285

 78.9196, 0.3136,
0.3062

Harmonies

Analogous

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



53.5692, 0.4139, 0.5451



53.5692, 0.3016, 0.5763



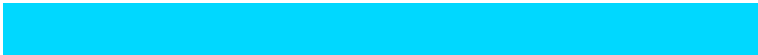
53.5692, 0.1973, 0.4734

Triad

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



53.5692, 0.3016, 0.5763



53.5692, 0.1278, 0.1596



53.5692, 0.5286, 0.2946

Complementary

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



53.5692, 0.3016, 0.5763



22.5879, 0.3183, 0.1631

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.



53.5692, 0.4102, 0.2262



53.5692, 0.3016, 0.5763



53.5692, 0.1789, 0.1528

Square

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



53.5692, 0.3016, 0.5763



53.5692, 0.1123, 0.2052



53.5692, 0.2750, 0.1759



53.5692, 0.5622, 0.3710

Rectangle

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



53.5692, 0.3016, 0.5763



53.5692, 0.1482, 0.3620



53.5692, 0.2750, 0.1759



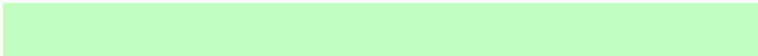
53.5692, 0.4962, 0.2707

Sweetspot

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



53.5714, 0.3016, 0.5763



86.9382, 0.3099, 0.3971



67.0842, 0.4154, 0.4931



18.2761, 0.3094, 0.4089



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.



53.5714, 0.3016, 0.5763



71.6271, 0.3003, 0.5977



54.9764, 0.2699, 0.4699



15.3444, 0.3117, 0.3532



31.0436, 0.3002, 0.5998



2.1543, 0.3010, 0.5992

Inverse Universe

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



22.5879, 0.3183, 0.1631



28.1939, 0.3182, 0.1536



19.3754, 0.4443, 0.2399



13.9276, 0.3136, 0.3059



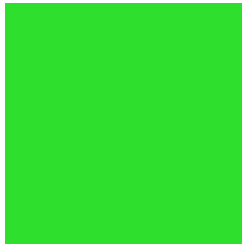
12.1328, 0.3182, 0.1527



0.8435, 0.3186, 0.1529

Previews

White Background



This preview shows how the Yxy color 53.5692, 0.3016, 0.5763 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 53.5692, 0.3016, 0.5763 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 53.5692, 0.3016, 0.5763

Background



This preview shows how black text looks on a background with the Yxy color 53.5692, 0.3016, 0.5763.

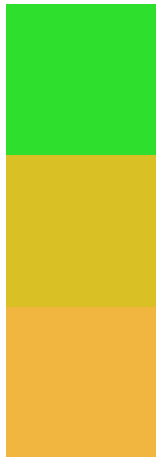


This preview shows how white text looks on a background with the Yxy color 53.5692, 0.3016, 0.5763.

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

53.5692, 0.3016, 0.5763

Protanopia

52.4318, 0.4346, 0.4797

Deuteranopia

52.3513, 0.4539, 0.4434



Tritanopia

53.3728, 0.2388, 0.3061

Trichromacy



Original Color

53.5692, 0.3016, 0.5763



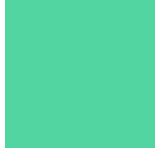
Protanomaly

49.8336, 0.3717, 0.5253



Deuteranomaly

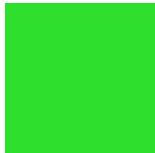
48.7740, 0.3829, 0.5009



Tritanomaly

51.9204, 0.2646, 0.4087

Monochromacy



Original Color

53.5692, 0.3016, 0.5763



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

36.1248, 0.3084, 0.4377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5692, 0.3016, 0.5763 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(47, 223, 45)` looks like.

```
.text, #text, p{  
  color:rgb(47, 223, 45)  
}
```

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(47, 223, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 223, 45) }
```

Border

The CSS property to change the border of an element to Yxy 53.5692, 0.3016, 0.5763 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(47, 223, 45) }
```

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

```
.border{ border-color:rgb(47, 223, 45) }
```

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

Here you see how a box with a 4 pixel rgb(47, 223, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 223, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 223, 45);  
box-shadow:4px 4px 4px 4px rgb(47, 223,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5692, 0.3016, 0.5763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 223, 45) }
```

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

```
.background{ background-color: rgb(47, 223,  
45) }
```

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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