

Converting Colors

Yxy(53.7160, 0.3031, 0.5945)

Have a look what the booklet for
Yxy(53.7160, 0.3031, 0.5945)
contains.

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Color

Yxy(53.6756, 0.3032, 0.5945)

Conversions

Conversions Part 1

Format	Color
Hex	22E00B
RGB	34, 224, 11
RGB Percent	13%, 88%, 4%
CMY	0.8668, 0.1215, 0.9565
CMYK	0.85, 0.00, 0.95, 0.12
HSL	114°, 91%, 46%
HSV	114°, 95%, 88%
XYZ	27.3750, 53.6756, 9.2364
YIQ	142.9080, -44.8670, -106.5230

Conversions

Conversions Part 2

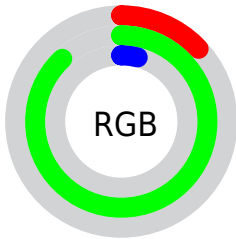
Format	Color
R_{YB}	11, 224, 201
Decimal	2285579
CIE Lab	78.27, -76.15, 74.66
CIE LCh	78, 106.643, 135.565
Yxy	53.6756, 0.3032, 0.5945
Android (android.graphics.Color)	4280475659 (0xFF22E00B)
YUV	142.9080, -65.0306, -95.5123
Hunter-Lab	73.2636, -61.5147, 43.8098

Details

The Yxy color **53.6756, 0.3032, 0.5945** 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 **18.0616, 0.2950, 0.1413**, and the grayscale version is **27.7078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1632, 0.3156, 0.5322**, and **27.6374, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.5089, 0.3022, 0.5982**, and if you desaturate by 10%, it is **54.2097, 0.3056, 0.5822**.

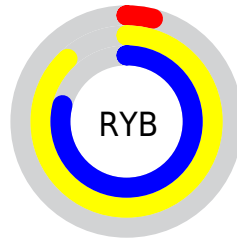
Distribution



Red (13%)

Green (88%)

Blue (4%)



Red (4%)

Yellow (88%)

Blue (79%)

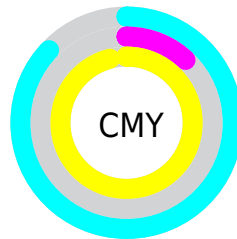


Cyan (85%)

Magenta (0%)

Yellow (95%)

Black (12%)



Cyan (87%)


Magenta (12%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.6756, 0.3032, 0.5945 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 53.6756, 0.3032, 0.5945 by changing the saturation by 10% instead.


 53.6756, 0.3032,
0.5945


 53.6756, 0.3032,
0.5945

400.8718, 0.3208,
0.4566

 38.3424, 0.2943,
0.6272


 95.5978, 0.3129,
0.5449


 26.2485, 0.2806,
0.6668


 122.9555, 0.3156,
0.5260


 17.0097, 0.2593,
0.7155


 155.0902, 0.3174,
0.5099

 10.2414, 0.2258,
0.7742

 192.3862, 0.3187,
0.4961

 5.5593, 0.1710,
0.8290

 235.2280, 0.3195,
0.4842

 2.5790, 0.0241,
0.9759

 283.9999, 0.3201,

 0.9161, 0.0000,

0.4738

1.0000

339.0864, 0.3205,
0.4647

■ 0.0000, 0.0000,
0.0000

■ 53.6756, 0.3032,
0.5945

■ 53.6756, 0.3032,
0.5945

■ 53.5089, 0.3022,
0.5982

■ 54.2097, 0.3056,
0.5822

■ 55.0524, 0.3080,
0.5617

■ 56.2451, 0.3101,
0.5342

■ 57.8211, 0.3117,
0.5017

■ 59.8096, 0.3128,
0.4670

■ 62.2370, 0.3134,
0.4323

■ 65.1276, 0.3135,
0.3992

■ 68.5038, 0.3134,
0.3688

■ 72.3866, 0.3130,
0.3415

Harmonies

Analogous

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



53.6756, 0.4200, 0.5501



53.6756, 0.3032, 0.5945



53.6756, 0.1941, 0.4922

Triad

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



53.6756, 0.3032, 0.5945



53.6756, 0.1187, 0.1529



53.6756, 0.5374, 0.2875

Complementary

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



53.6756, 0.3032, 0.5945



18.0616, 0.2950, 0.1413

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.



53.6756, 0.4085, 0.2179



53.6756, 0.3032, 0.5945



53.6756, 0.1690, 0.1449

Square

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



53.6756, 0.3032, 0.5945



53.6756, 0.1041, 0.2014



53.6756, 0.2663, 0.1674



53.6756, 0.5754, 0.3650

Rectangle

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



53.6756, 0.3032, 0.5945



53.6756, 0.1423, 0.3713



53.6756, 0.2663, 0.1674



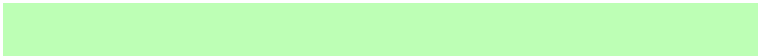
53.6756, 0.5017, 0.2631

Sweetspot

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



53.6778, 0.3032, 0.5945



85.6757, 0.3135, 0.4127



56.7958, 0.4395, 0.4869



17.9893, 0.3134, 0.4270



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.



53.6778, 0.3032, 0.5945



71.7582, 0.3020, 0.5984



54.1712, 0.2815, 0.5303



15.4073, 0.3132, 0.3531



31.1684, 0.3027, 0.5978



2.1845, 0.3094, 0.5925

Inverse Universe

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



18.0616, 0.2950, 0.1413



23.6524, 0.2935, 0.1390



18.0545, 0.4407, 0.2224



13.8570, 0.3121, 0.3058



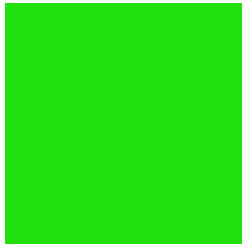
10.3067, 0.2941, 0.1394



0.7361, 0.2985, 0.1418

Previews

White Background



This preview shows how the Yxy color 53.6756, 0.3032, 0.5945 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 53.6756, 0.3032, 0.5945 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 53.6756, 0.3032, 0.5945

Background



This preview shows how black text looks on a background with the Yxy color 53.6756, 0.3032, 0.5945.



This preview shows how white text looks on a background with the Yxy color 53.6756, 0.3032, 0.5945.

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

53.6756, 0.3032, 0.5945

Protanopia

52.2982, 0.4405, 0.4884

Deuteranopia

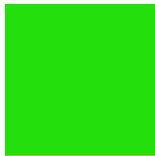
52.3784, 0.4612, 0.4510



Tritanopia

53.1447, 0.2372, 0.3060

Trichromacy



Original Color

53.6756, 0.3032, 0.5945



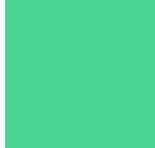
Protanomaly

49.6785, 0.3726, 0.5413



Deuteranomaly

48.1608, 0.3864, 0.5171



Tritanomaly

51.6956, 0.2689, 0.4315

Monochromacy



Original Color

53.6756, 0.3032, 0.5945



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

33.2148, 0.3126, 0.4634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.6756, 0.3032, 0.5945 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(34, 224, 11)` looks like.

```
.text, #text, p{  
    color:rgb(34, 224, 11)  
}
```

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(34, 224, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 224, 11) }
```

Border

The CSS property to change the border of an element to Yxy 53.6756, 0.3032, 0.5945 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(34, 224, 11) }
```

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

```
.border{ border-color:rgb(34, 224, 11) }
```

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

Here you see how a box with a 4 pixel rgb(34, 224, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 224, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 224, 11);  
box-shadow:4px 4px 4px 4px rgb(34, 224,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 53.6756, 0.3032, 0.5945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 224, 11) }
```

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

```
.background{ background-color: rgb(34, 224,  
11) }
```

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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