

Converting Colors

Yxy(53.2120, 0.3041, 0.5936)

Have a look what the booklet for
Yxy(53.2120, 0.3041, 0.5936)
contains.

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Color

Yxy(53.2140, 0.3040, 0.5936)

Conversions

Conversions Part 1

Format	Color
Hex	26DF0C
RGB	38, 223, 12
RGB Percent	15%, 87%, 5%
CMY	0.8510, 0.1255, 0.9532
CMYK	0.83, 0.00, 0.95, 0.13
HSL	113°, 90%, 46%
HSV	113°, 95%, 87%
XYZ	27.2525, 53.2140, 9.1798
YIQ	143.6310, -42.5290, -104.8410

Conversions

Conversions Part 2

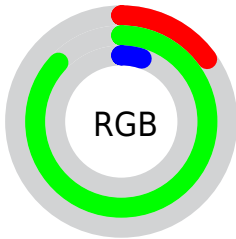
Format	Color
RYB	12, 223, 197
Decimal	2547468
CIELab	78.00, -75.47, 74.37
CIElCh	78, 105.960, 135.420
Yxy	53.2140, 0.3040, 0.5936
Android (android.graphics.Color)	4280737548 (0xFF26DF0C)
YUV	143.6310, -64.8941, -92.6384
Hunter-Lab	72.9479, -60.9735, 43.6025

Details

The Yxy color **53.2140, 0.3040, 0.5936** 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 **17.4533, 0.2913, 0.1394**, and the grayscale version is **28.0083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3062, 0.3166, 0.5316**, and **27.2724, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.0183, 0.3028, 0.5978**, and if you desaturate by 10%, it is **53.7805, 0.3067, 0.5808**.

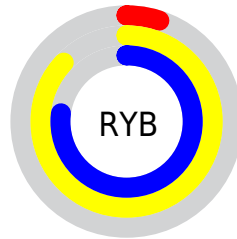
Distribution



Red (15%)

Green (87%)

Blue (5%)



Red (5%)

Yellow (87%)

Blue (77%)

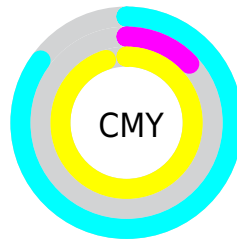


Cyan (83%)

Magenta (0%)

Yellow (95%)

Black (13%)



Cyan (85%)


Magenta (13%)


Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2140, 0.3040, 0.5936 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 53.2140, 0.3040, 0.5936 by changing the saturation by 10% instead.


 53.2140, 0.3040,
0.5936


 53.2140, 0.3040,
0.5936

 399.1056, 0.3211,
0.4561


 37.9736, 0.2952,
0.6263

 94.9192, 0.3136,
0.5441

 25.9622, 0.2815,
0.6659

 122.1528, 0.3162,
0.5252


 16.7954, 0.2604,
0.7147


 154.1530, 0.3180,
0.5092

 10.0887, 0.2268,
0.7732

 191.3040, 0.3192,
0.4954

 5.4578, 0.1718,
0.8282

 233.9905, 0.3200,
0.4836

 2.5183, 0.0201,
0.9799

 282.5966, 0.3205,

 0.8858, 0.0000,

0.4732

1.0000

337.5068, 0.3209,
0.4641

■ 0.0000, 0.0000,
0.0000

■ 53.2140, 0.3040,
0.5936

■ 53.2140, 0.3040,
0.5936

■ 53.0183, 0.3028,
0.5978

■ 53.7805, 0.3067,
0.5808

■ 54.6499, 0.3092,
0.5599

■ 55.8611, 0.3114,
0.5322

■ 57.4453, 0.3129,
0.4997

■ 59.4302, 0.3138,
0.4651

■ 61.8406, 0.3142,
0.4306

■ 64.6996, 0.3142,
0.3978

■ 68.0285, 0.3137,
0.3676

■ 71.8472, 0.3131,
0.3405

Harmonies

Analogous

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



53.2140, 0.4205, 0.5492



53.2140, 0.3040, 0.5936



53.2140, 0.1950, 0.4924

Triad

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



53.2140, 0.3040, 0.5936



53.2140, 0.1189, 0.1535



53.2140, 0.5362, 0.2874

Complementary

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



53.2140, 0.3040, 0.5936



17.4533, 0.2913, 0.1394

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.



53.2140, 0.4075, 0.2179



53.2140, 0.3040, 0.5936



53.2140, 0.1690, 0.1453

Square

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



53.2140, 0.3040, 0.5936



53.2140, 0.1046, 0.2022



53.2140, 0.2659, 0.1676



53.2140, 0.5747, 0.3647

Rectangle

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



53.2140, 0.3040, 0.5936



53.2140, 0.1431, 0.3720



53.2140, 0.2659, 0.1676



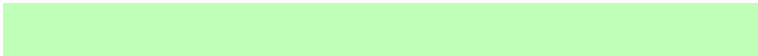
53.2140, 0.5005, 0.2630

Sweetspot

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



53.2162, 0.3040, 0.5936



86.2243, 0.3142, 0.4092



54.6835, 0.4426, 0.4842



18.0994, 0.3142, 0.4236



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.



53.2162, 0.3040, 0.5936



71.8187, 0.3026, 0.5980



53.5825, 0.2827, 0.5342



15.4179, 0.3134, 0.3531



31.1984, 0.3033, 0.5974



2.1895, 0.3107, 0.5915

Inverse Universe

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



17.4533, 0.2913, 0.1394



22.9918, 0.2893, 0.1368



18.0133, 0.4337, 0.2187



13.8453, 0.3118, 0.3058



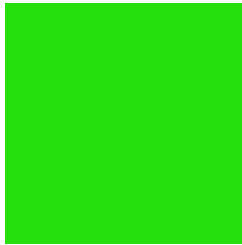
10.0256, 0.2901, 0.1372



0.7193, 0.2951, 0.1399

Previews

White Background



This preview shows how the Yxy color 53.2140, 0.3040, 0.5936 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 53.2140, 0.3040, 0.5936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

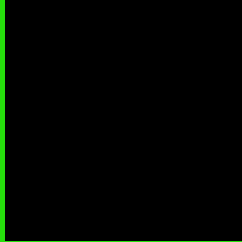
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.2140, 0.3040, 0.5936

Background



This preview shows how black text looks on a background with the Yxy color 53.2140, 0.3040, 0.5936.



This preview shows how white text looks on a background with the Yxy color 53.2140, 0.3040, 0.5936.

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

53.2140, 0.3040, 0.5936

Protanopia

51.7087, 0.4406, 0.4883

Deuteranopia

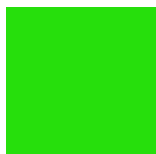
51.7948, 0.4613, 0.4507



Tritanopia

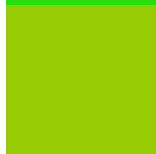
52.6601, 0.2377, 0.3060

Trichromacy



Original Color

53.2140, 0.3040, 0.5936



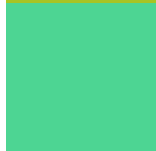
Protanomaly

49.2999, 0.3741, 0.5401



Deuteranomaly

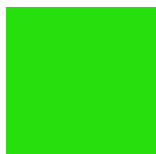
47.8227, 0.3878, 0.5152



Tritanomaly

51.2729, 0.2695, 0.4301

Monochromacy



Original Color

53.2140, 0.3040, 0.5936



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

33.7349, 0.3135, 0.4622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2140, 0.3040, 0.5936 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(38, 223, 12)` looks like.

```
.text, #text, p{  
    color:rgb(38, 223, 12)  
}
```

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(38, 223, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 223, 12) }
```

Border

The CSS property to change the border of an element to Yxy 53.2140, 0.3040, 0.5936 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(38, 223, 12) }
```

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

```
.border{ border-color:rgb(38, 223, 12) }
```

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

Here you see how a box with a 4 pixel rgb(38, 223, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 223, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 223, 12);  
box-shadow:4px 4px 4px 4px rgb(38, 223,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2140, 0.3040, 0.5936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 223, 12) }
```

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

```
.background{ background-color: rgb(38, 223,  
12) }
```

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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