

Converting Colors

Yxy(53.2699, 0.3010, 0.5949)

Have a look what the booklet for
Yxy(53.2699, 0.3010, 0.5949)
contains.

Yxy(53.5164, 0.3010, 0.5950)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(53.5164, 0.3010, 0.5950)

Conversions

Conversions Part 1

Format	Color
Hex	16E00F
RGB	22, 224, 15
RGB Percent	9%, 88%, 6%
CMY	0.9136, 0.1216, 0.9412
CMYK	0.90, 0.00, 0.93, 0.12
HSL	118°, 87%, 47%
HSV	118°, 93%, 88%
XYZ	27.0730, 53.5164, 9.3541
YIQ	139.7760, -53.3030, -107.8230

Conversions

Conversions Part 2

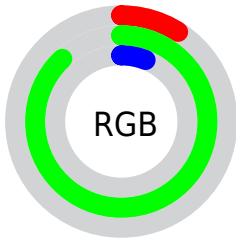
Format	Color
RYB	15, 224, 217
Decimal	1499151
CIELab	78.18, -76.96, 74.13
CIELCh	78, 106.857, 136.075
Yxy	53.5164, 0.3010, 0.5950
Android (android.graphics.Color)	4279689231 (0xFF16E00F)
YUV	139.7760, -61.5146, -103.2896
Hunter-Lab	73.1549, -61.9622, 43.6272

Details

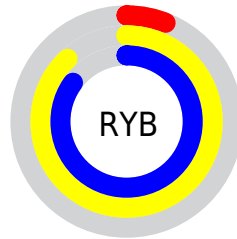
The Yxy color **53.5164, 0.3010, 0.5950** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **20.4740, 0.3130, 0.1517**, and the grayscale version is **26.3966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9030, 0.3134, 0.5325**, and **27.6374, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.3618, 0.3006, 0.5996**, and if you desaturate by 10%, it is **53.9776, 0.3022, 0.5821**.

Distribution



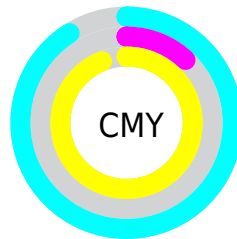
- Red (9%)
- Green (88%)
- Blue (6%)



- Red (6%)
- Yellow (88%)
- Blue (85%)



- Cyan (90%)
- Magenta (0%)
- Yellow (93%)
- Black (12%)





- Cyan (91%)
- Magenta (12%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.5164, 0.3010, 0.5950 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 53.5164, 0.3010, 0.5950 by changing the saturation by 10% instead.

 53.5164, 0.3010,
0.5950

 53.5164, 0.3010,
0.5950


400.2632, 0.3196,
0.4565


 38.2152, 0.2919,
0.6280


 95.3638, 0.3111,
0.5451


 26.1497, 0.2779,
0.6680


 122.6788, 0.3139,
0.5261


 16.9357, 0.2563,
0.7172


 154.7671, 0.3158,
0.5099


 10.1886, 0.2226,
0.7774

 192.0132, 0.3172,
0.4961

 5.5242, 0.1674,
0.8326

 234.8015, 0.3181,
0.4842

 2.5580, 0.0131,
0.9869

 283.5163, 0.3188,

 0.9056, 0.0000,

0.4738

1.0000

338.5421, 0.3192,
0.4646

■ 0.0000, 0.0000,
0.0000

■ 53.5164, 0.3010,
0.5950

■ 53.5164, 0.3010,
0.5950

■ 53.3618, 0.3006,
0.5996

■ 53.9776, 0.3022,
0.5821

■ 54.7722, 0.3037,
0.5606

■ 55.9503, 0.3053,
0.5319

■ 57.5520, 0.3069,
0.4983

■ 59.6125, 0.3084,
0.4627

■ 62.1632, 0.3097,
0.4274

■ 65.2328, 0.3109,
0.3942

■ 68.8477, 0.3118,
0.3640

■ 73.0327, 0.3125,
0.3371

Harmonies

Analogous

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



53.5164, 0.4181, 0.5520



53.5164, 0.3010, 0.5950



53.5164, 0.1921, 0.4899

Triad

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



53.5164, 0.3010, 0.5950



53.5164, 0.1188, 0.1521



53.5164, 0.5395, 0.2886

Complementary

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



53.5164, 0.3010, 0.5950



20.4740, 0.3130, 0.1517

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.



53.5164, 0.4113, 0.2187



53.5164, 0.3010, 0.5950



53.5164, 0.1699, 0.1447

Square

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



53.5164, 0.3010, 0.5950



53.5164, 0.1037, 0.1998



53.5164, 0.2683, 0.1677



53.5164, 0.5757, 0.3662

Rectangle

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



53.5164, 0.3010, 0.5950



53.5164, 0.1409, 0.3683



53.5164, 0.2683, 0.1677



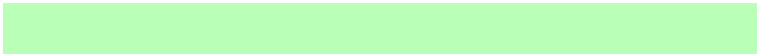
53.5164, 0.5043, 0.2641

Sweetspot

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



53.5186, 0.3010, 0.5950



85.4026, 0.3103, 0.4101



63.7500, 0.4266, 0.4966



17.9104, 0.3098, 0.4248



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.



53.5186, 0.3010, 0.5950



71.5752, 0.3005, 0.5996



54.5202, 0.2753, 0.5068



15.3590, 0.3121, 0.3532



31.0692, 0.3008, 0.5994



2.1614, 0.3030, 0.5976

Inverse Universe

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



20.4740, 0.3130, 0.1517



26.8929, 0.3124, 0.1495



17.8002, 0.4632, 0.2360



13.9110, 0.3133, 0.3059



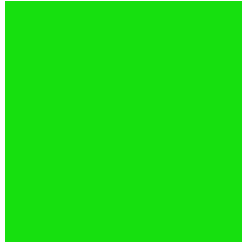
11.6837, 0.3126, 0.1496



0.8173, 0.3139, 0.1503

Previews

White Background



This preview shows how the Yxy color 53.5164, 0.3010, 0.5950 looks on a white background.

Color Contrast Check

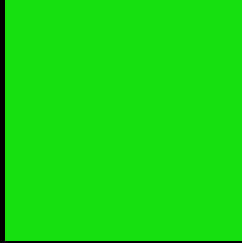
Large Text (above 18pt) WCAG AA × Fail

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 53.5164, 0.3010, 0.5950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

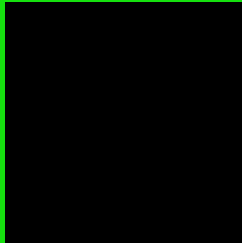
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.5164, 0.3010, 0.5950

Background



This preview shows how black text looks on a background with the Yxy color 53.5164, 0.3010, 0.5950.



This preview shows how white text looks on a background with the Yxy color 53.5164, 0.3010, 0.5950.

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

53.5164, 0.3010, 0.5950

Protanopia

52.2982, 0.4405, 0.4884

Deuteranopia

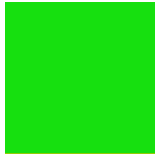
52.3870, 0.4608, 0.4506



Tritanopia

53.0348, 0.2364, 0.3060

Trichromacy



Original Color

53.5164, 0.3010, 0.5950



Protanomaly

49.2164, 0.3683, 0.5444



Deuteranomaly

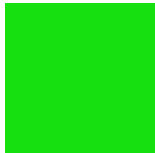
47.6431, 0.3815, 0.5193



Tritanomaly

51.5283, 0.2657, 0.4289

Monochromacy



Original Color

53.5164, 0.3010, 0.5950



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

32.4934, 0.3079, 0.4641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5164, 0.3010, 0.5950 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(22, 224, 15)` looks like.

```
.text, #text, p{  
    color:rgb(22, 224, 15)  
}
```

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(22, 224, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 224, 15) }
```

Border

The CSS property to change the border of an element to Yxy 53.5164, 0.3010, 0.5950 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(22, 224, 15) }
```

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

```
.border{ border-color:rgb(22, 224, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 224, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 224, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 224, 15);  
box-shadow:4px 4px 4px 4px rgb(22, 224,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5164, 0.3010, 0.5950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 224, 15) }
```

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

```
.background{ background-color: rgb(22, 224,  
15) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor