

Converting Colors

Yxy(53.4478, 0.3118, 0.5850)

Have a look what the booklet for
Yxy(53.4478, 0.3118, 0.5850)
contains.

Yxy(53.4478, 0.3118, 0.5850)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.4478, 0.3118, 0.5850)

Conversions

Conversions Part 1

Format	Color
Hex	42DE13
RGB	66, 222, 19
RGB Percent	26%, 87%, 7%
CMY	0.7410, 0.1294, 0.9256
CMYK	0.70, 0.00, 0.91, 0.13
HSL	106°, 84%, 47%
HSV	106°, 91%, 87%
XYZ	28.4872, 53.4478, 9.4287
YIQ	152.2140, -27.8130, -96.2050

Conversions

Conversions Part 2

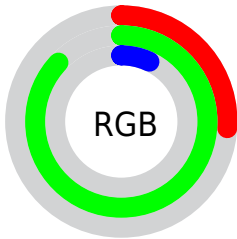
Format	Color
RYB	19, 222, 175
Decimal	4382227
CIELab	78.14, -71.16, 73.82
CIELCh	78, 102.536, 133.947
Yxy	53.4478, 0.3118, 0.5850
Android (android.graphics.Color)	4282572307 (0xFF42DE13)
YUV	152.2140, -65.6745, -75.6097
Hunter-Lab	73.1080, -58.3848, 43.5290

Details

The Yxy color **53.4478, 0.3118, 0.5850** 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 **14.8441, 0.2673, 0.1277**, and the grayscale version is **31.7994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5096, 0.3237, 0.5250**, and **26.9103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **52.9596, 0.3083, 0.5934**, and if you desaturate by 10%, it is **54.2480, 0.3157, 0.5690**.

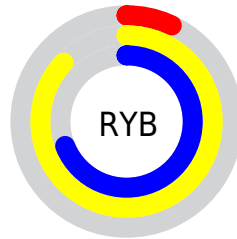
Distribution



Red (26%)

Green (87%)

Blue (7%)



Red (7%)

Yellow (87%)

Blue (69%)

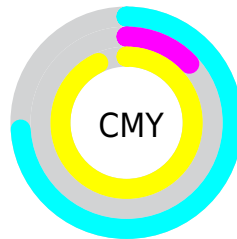


Cyan (70%)

Magenta (0%)

Yellow (91%)

Black (13%)



Cyan (74%)


Magenta (13%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.4478, 0.3118, 0.5850 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 53.4478, 0.3118, 0.5850 by changing the saturation by 10% instead.


 53.4478, 0.3118,
0.5850

 53.4478, 0.3118,
0.5850


400.0008, 0.3246,
0.4526


 38.1604, 0.3042,
0.6163


 95.2630, 0.3197,
0.5375

 26.1072, 0.2921,
0.6542


 122.5595, 0.3217,
0.5193


 16.9038, 0.2727,
0.7007


 154.6279, 0.3230,
0.5039

 10.1660, 0.2419,
0.7581

 191.8524, 0.3238,
0.4907

 5.5091, 0.1891,
0.8109

 234.6176, 0.3242,
0.4792

 2.5490, 0.0630,
0.9370

 283.3078, 0.3245,

 0.9011, 0.0000,

0.4692

1.0000

338.3074, 0.3246,
0.4604

■ 0.0000, 0.0000,
0.0000

■ 53.4478, 0.3118,
0.5850

■ 53.4478, 0.3118,
0.5850

■ 52.9596, 0.3083,
0.5934

■ 54.2480, 0.3157,
0.5690

■ 55.3241, 0.3187,
0.5458

■ 56.7041, 0.3205,
0.5171

■ 58.4103, 0.3212,
0.4849

■ 60.4628, 0.3208,
0.4514

■ 62.8801, 0.3196,
0.4184

■ 65.6793, 0.3177,
0.3871

■ 68.8763, 0.3155,
0.3584

■ 72.4861, 0.3131,
0.3325

Harmonies

Analogous

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



53.4478, 0.4254, 0.5405



53.4478, 0.3118, 0.5850



53.4478, 0.2038, 0.4939

Triad

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



53.4478, 0.3118, 0.5850



53.4478, 0.1217, 0.1591



53.4478, 0.5246, 0.2858

Complementary

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



53.4478, 0.3118, 0.5850



14.8441, 0.2673, 0.1277

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.



53.4478, 0.3976, 0.2179



53.4478, 0.3118, 0.5850



53.4478, 0.1693, 0.1491

Square

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



53.4478, 0.3118, 0.5850



53.4478, 0.1093, 0.2100



53.4478, 0.2618, 0.1696



53.4478, 0.5682, 0.3620

Rectangle

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



53.4478, 0.3118, 0.5850



53.4478, 0.1509, 0.3795



53.4478, 0.2618, 0.1696



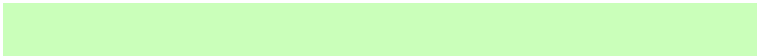
53.4478, 0.4886, 0.2619

Sweetspot

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



53.4500, 0.3118, 0.5850



87.6439, 0.3188, 0.4048



46.0916, 0.4610, 0.4670



18.4869, 0.3194, 0.4158



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.



53.4500, 0.3118, 0.5850



72.4536, 0.3079, 0.5937



52.8641, 0.2889, 0.5534



15.4898, 0.3150, 0.3530



31.4983, 0.3091, 0.5928



2.2236, 0.3197, 0.5844

Inverse Universe

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



14.8441, 0.2673, 0.1277



18.9393, 0.2617, 0.1215



18.8163, 0.3944, 0.1983



13.7671, 0.3101, 0.3056



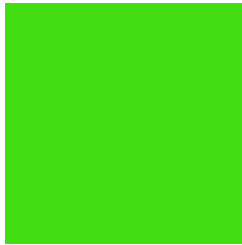
8.2964, 0.2630, 0.1223



0.6145, 0.2724, 0.1274

Previews

White Background



This preview shows how the Yxy color 53.4478, 0.3118, 0.5850 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 53.4478, 0.3118, 0.5850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

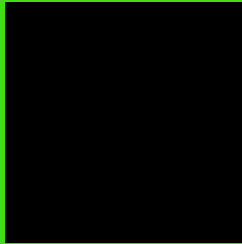
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.4478, 0.3118, 0.5850

Background



This preview shows how black text looks on a background with the Yxy color 53.4478, 0.3118, 0.5850.



This preview shows how white text looks on a background with the Yxy color 53.4478, 0.3118, 0.5850.

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

53.4478, 0.3118, 0.5850

Protanopia

52.2982, 0.4405, 0.4884

Deuteranopia

52.3870, 0.4608, 0.4506



Tritanopia

52.8498, 0.2430, 0.3062

Trichromacy



Original Color

53.4478, 0.3118, 0.5850



Protanomaly

50.3043, 0.3823, 0.5329



Deuteranomaly

49.4261, 0.3952, 0.5079



Tritanomaly

51.6898, 0.2761, 0.4236

Monochromacy



Original Color

53.4478, 0.3118, 0.5850



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

36.5087, 0.3208, 0.4486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.4478, 0.3118, 0.5850 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(66, 222, 19)` looks like.

```
.text, #text, p{  
    color:rgb(66, 222, 19)  
}
```

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(66, 222, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 222, 19) }
```

Border

The CSS property to change the border of an element to Yxy 53.4478, 0.3118, 0.5850 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(66, 222, 19) }
```

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

```
.border{ border-color:rgb(66, 222, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 222, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 222, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 222, 19);  
box-shadow:4px 4px 4px 4px rgb(66, 222,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 53.4478, 0.3118, 0.5850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 222, 19) }
```

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

```
.background{ background-color: rgb(66, 222,  
19) }
```

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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