

Converting Colors

Yxy(59.4353, 0.3041, 0.5908)

Have a look what the booklet for
Yxy(59.4353, 0.3041, 0.5908)
contains.

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Color

Yxy(59.4353, 0.3041, 0.5908)

Conversions

Conversions Part 1

Format	Color
Hex	2CEA15
RGB	44, 234, 21
RGB Percent	17%, 92%, 8%
CMY	0.8280, 0.0823, 0.9173
CMYK	0.81, 0.00, 0.91, 0.08
HSL	114°, 84%, 50%
HSV	114°, 91%, 92%
XYZ	30.5929, 59.4353, 10.5732
YIQ	152.9080, -44.8670, -106.5230

Conversions

Conversions Part 2

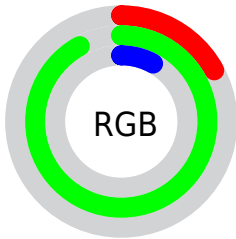
Format	Color
RYB	21, 234, 211
Decimal	2943509
CIELab	81.53, -77.73, 76.23
CIELCh	82, 108.869, 135.558
Yxy	59.4353, 0.3041, 0.5908
Android (android.graphics.Color)	4281133589 (0xFF2CEA15)
YUV	152.9080, -65.0306, -95.5123
Hunter-Lab	77.0943, -64.0819, 45.8346

Details

The Yxy color **59.4353, 0.3041, 0.5908** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **20.3678, 0.2962, 0.1434**, and the grayscale version is **32.1038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7638, 0.3175, 0.5254**, and **31.0507, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.0578, 0.3022, 0.5983**, and if you desaturate by 10%, it is **60.1521, 0.3066, 0.5753**.

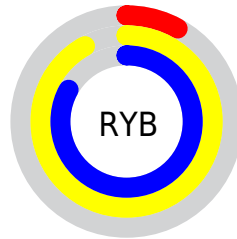
Distribution



Red (17%)

Green (92%)

Blue (8%)



Red (8%)

Yellow (92%)

Blue (83%)

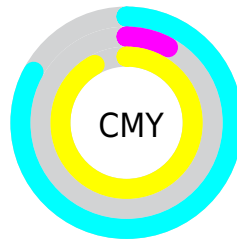


Cyan (81%)

Magenta (0%)

Yellow (91%)

Black (8%)



Cyan (83%)


Magenta (8%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4353, 0.3041, 0.5908 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 59.4353, 0.3041, 0.5908 by changing the saturation by 10% instead.

 59.4353, 0.3041,
0.5908


 59.4353, 0.3041,
0.5908


 422.5132, 0.3208,
0.4571


 42.9636, 0.2959,
0.6220


 104.0101, 0.3132,
0.5432


 29.8566, 0.2834,
0.6596


 132.8819, 0.3158,
0.5249


 19.7298, 0.2638,
0.7047


 166.6560, 0.3175,
0.5093

 12.1988, 0.2352,
0.7648

 205.7167, 0.3187,
0.4958

 6.8792, 0.1851,
0.8149

 250.4484, 0.3196,
0.4842

 3.3867, 0.0980,
0.9020

 301.2354, 0.3201,

 1.3368, 0.0000,

0.4740

1.0000

358.4622, 0.3205,
0.4650

■ 0.1694, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.4353, 0.3041,
0.5908

■ 59.4353, 0.3041,
0.5908


■ 59.0578, 0.3022,
0.5983

■ 60.1521, 0.3066,
0.5753


■ 61.2293, 0.3088,
0.5518


■ 62.7099, 0.3108,
0.5219


■ 64.6290, 0.3122,
0.4882

 67.0181, 0.3130,
0.4531

 69.9054, 0.3135,
0.4188

 73.3170, 0.3135,
0.3866

 77.2773, 0.3132,
0.3574

 81.8090, 0.3128,
0.3314

Harmonies

Analogous

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



59.4353, 0.4199, 0.5483



59.4353, 0.3041, 0.5908



59.4353, 0.1958, 0.4898

Triad

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



59.4353, 0.3041, 0.5908



59.4353, 0.1203, 0.1546



59.4353, 0.5346, 0.2883

Complementary

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



59.4353, 0.3041, 0.5908



20.3678, 0.2962, 0.1434

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.



59.4353, 0.4073, 0.2190



59.4353, 0.3041, 0.5908



59.4353, 0.1704, 0.1465

Square

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



59.4353, 0.3041, 0.5908



59.4353, 0.1059, 0.2030



59.4353, 0.2669, 0.1688



59.4353, 0.5727, 0.3655

Rectangle

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



59.4353, 0.3041, 0.5908



59.4353, 0.1442, 0.3710



59.4353, 0.2669, 0.1688



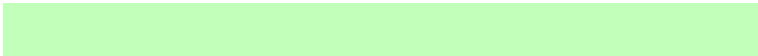
59.4353, 0.4993, 0.2640

Sweetspot

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



59.4378, 0.3041, 0.5908



86.4759, 0.3135, 0.4061



63.2330, 0.4376, 0.4862



18.2187, 0.3135, 0.4174



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.



59.4378, 0.3041, 0.5908



71.7565, 0.3020, 0.5984



59.9851, 0.2802, 0.5225



16.9392, 0.3132, 0.3532



33.2101, 0.3026, 0.5979



2.6336, 0.3086, 0.5932

Inverse Universe

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



20.3678, 0.2962, 0.1434



23.6728, 0.2936, 0.1391



20.3140, 0.4342, 0.2210



15.2273, 0.3121, 0.3057



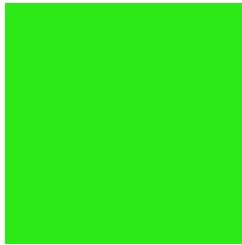
10.9884, 0.2942, 0.1394



0.8863, 0.2981, 0.1416

Previews

White Background



This preview shows how the Yxy color 59.4353, 0.3041, 0.5908 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 59.4353, 0.3041, 0.5908 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 59.4353, 0.3041, 0.5908

Background



This preview shows how black text looks on a background with the Yxy color 59.4353, 0.3041, 0.5908.

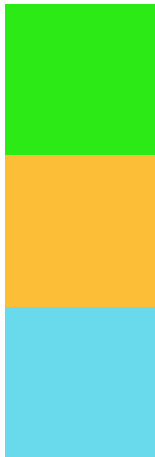


This preview shows how white text looks on a background with the Yxy color 59.4353, 0.3041, 0.5908.

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

59.4353, 0.3041, 0.5908

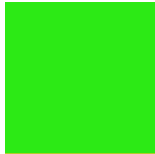
Deuteranopia

57.7887, 0.4608, 0.4496

Tritanopia

59.1442, 0.2382, 0.3070

Trichromacy



Original Color

59.4353, 0.3041, 0.5908



Deuteranomaly

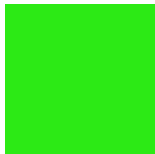
53.5399, 0.3872, 0.5132



Tritanomaly

57.5846, 0.2690, 0.4266

Monochromacy



Original Color

59.4353, 0.3041, 0.5908



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

37.9865, 0.3128, 0.4555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4353, 0.3041, 0.5908 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(44, 234, 21)` looks like.

```
.text, #text, p{  
    color:rgb(44, 234, 21)  
}
```

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(44, 234, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 234, 21) }
```

Border

The CSS property to change the border of an element to Yxy 59.4353, 0.3041, 0.5908 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(44, 234, 21) }
```

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

```
.border{ border-color:rgb(44, 234, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 234, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 234, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 234, 21);  
box-shadow:4px 4px 4px 4px rgb(44, 234,  
21) }
```

Background

The CSS property to change the background color of an element to Yxy 59.4353, 0.3041, 0.5908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 234, 21) }
```

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

```
.background{ background-color: rgb(44, 234,  
21) }
```

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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