

Converting Colors

$Y_{xy}(58.4396, 0.3009, 0.5800)$

Have a look what the booklet for
Yxy(58.4396, 0.3009, 0.5800)
contains.

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Color

Yxy(58.4012, 0.3009, 0.5802)

Conversions

Conversions Part 1

Format	Color
Hex	2BE82B
RGB	43, 232, 43
RGB Percent	17%, 91%, 17%
CMY	0.8316, 0.0902, 0.8311
CMYK	0.81, 0.00, 0.81, 0.09
HSL	120°, 80%, 54%
HSV	120°, 81%, 91%
XYZ	30.2877, 58.4012, 11.9681
YIQ	153.9430, -51.9750, -98.8470

Conversions

Conversions Part 2

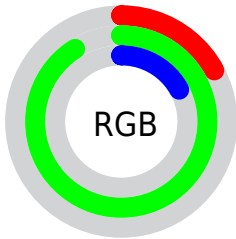
Format	Color
RYB	43, 232, 232
Decimal	2877483
CIELab	80.96, -76.42, 71.37
CIELCh	81, 104.564, 136.957
Yxy	58.4012, 0.3009, 0.5802
Android (android.graphics.Color)	4281067563 (0xFF2BE82B)
YUV	153.9430, -54.6949, -97.2970
Hunter-Lab	76.4207, -62.9915, 44.2092

Details

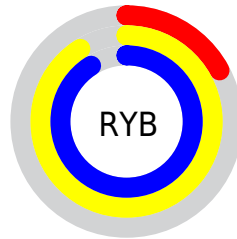
The Yxy color **58.4012, 0.3009, 0.5802** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **24.6977, 0.3207, 0.1627**, and the grayscale version is **32.5460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8250, 0.3125, 0.5150**, and **30.6599, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **57.9126, 0.3003, 0.5941**, and if you desaturate by 10%, it is **59.2758, 0.3020, 0.5575**.

Distribution



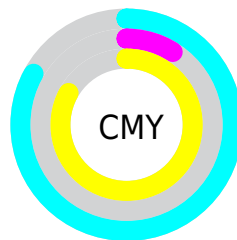
- Red (17%)
- Green (91%)
- Blue (17%)



- Red (17%)
- Yellow (91%)
- Blue (91%)



- Cyan (81%)
- Magenta (0%)
- Yellow (81%)
- Black (9%)



- Cyan (83%)
- Magenta (9%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4012, 0.3009, 0.5802 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 58.4012, 0.3009, 0.5802 by changing the saturation by 10% instead.


 58.4012, 0.3009,
0.5802


 58.4012, 0.3009,
0.5802


418.6792, 0.3177,
0.4507


 42.1313, 0.2931,
0.6112


 102.5069, 0.3097,
0.5336

 29.2041, 0.2812,
0.6490


 131.1114, 0.3122,
0.5158

 19.2353, 0.2626,
0.6952


 164.5963, 0.3140,
0.5008

 11.8404, 0.2370,
0.7630

 203.3458, 0.3153,
0.4878

 6.6351, 0.1865,
0.8135

 247.7445, 0.3162,
0.4766

 3.2350, 0.0951,
0.9049

 298.1767, 0.3169,

 1.2556, 0.0000,

0.4669

1.0000

355.0268, 0.3174,
0.4583

■ 0.1064, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4012, 0.3009,
0.5802

■ 58.4012, 0.3009,
0.5802

■ 57.9126, 0.3003,
0.5941


■ 59.2758, 0.3020,
0.5575

■ 57.7170, 0.3000,
0.6000


■ 60.5856, 0.3033,
0.5276


■ 62.3801, 0.3050,
0.4932


■ 64.7005, 0.3067,
0.4572

 67.5835, 0.3083,
0.4218

 71.0625, 0.3099,
0.3888

 75.1683, 0.3113,
0.3589

 79.9295, 0.3125,
0.3326

 85.3732, 0.3136,
0.3098

Harmonies

Analogous

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



58.4012, 0.4143, 0.5471



58.4012, 0.3009, 0.5802



58.4012, 0.1957, 0.4760

Triad

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



58.4012, 0.3009, 0.5802



58.4012, 0.1260, 0.1578



58.4012, 0.5315, 0.2938

Complementary

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



58.4012, 0.3009, 0.5802



24.6977, 0.3207, 0.1627

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.



58.4012, 0.4112, 0.2249



58.4012, 0.3009, 0.5802



58.4012, 0.1774, 0.1511

Square

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



58.4012, 0.3009, 0.5802



58.4012, 0.1104, 0.2036



58.4012, 0.2742, 0.1743



58.4012, 0.5650, 0.3704

Rectangle

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



58.4012, 0.3009, 0.5802



58.4012, 0.1463, 0.3624



58.4012, 0.2742, 0.1743



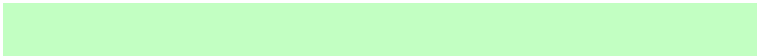
58.4012, 0.4986, 0.2696

Sweetspot

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



58.4036, 0.3009, 0.5802



86.8511, 0.3095, 0.3972



75.0473, 0.4142, 0.4967



18.2559, 0.3089, 0.4090



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.



58.4036, 0.3009, 0.5802



71.5645, 0.3000, 0.5989



60.0483, 0.2686, 0.4689



16.0894, 0.3116, 0.3533



32.0404, 0.3000, 0.5999



2.3677, 0.2999, 0.5998

Inverse Universe

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



24.6977, 0.3207, 0.1627



28.5783, 0.3211, 0.1547



20.6991, 0.4542, 0.2430



14.6151, 0.3138, 0.3059



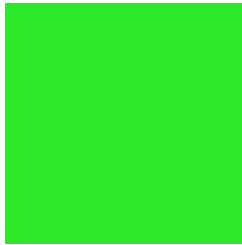
12.7532, 0.3211, 0.1543



0.9425, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 58.4012, 0.3009, 0.5802 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 58.4012, 0.3009, 0.5802 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 58.4012, 0.3009, 0.5802

Background



This preview shows how black text looks on a background with the Yxy color 58.4012, 0.3009, 0.5802.



This preview shows how white text looks on a background with the Yxy color 58.4012, 0.3009, 0.5802.

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

58.4012, 0.3009, 0.5802

Protanopia

57.2713, 0.4351, 0.4821

Deuteranopia

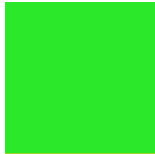
56.9166, 0.4546, 0.4445



Tritanopia

57.9380, 0.2382, 0.3069

Trichromacy



Original Color

58.4012, 0.3009, 0.5802



Protanomaly

54.4896, 0.3697, 0.5304



Deuteranomaly

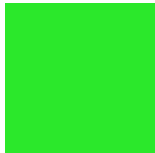
52.9567, 0.3813, 0.5045



Tritanomaly

56.7167, 0.2646, 0.4135

Monochromacy



Original Color

58.4012, 0.3009, 0.5802



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

38.2482, 0.3075, 0.4404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4012, 0.3009, 0.5802 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(43, 232, 43)` looks like.

```
.text, #text, p{  
    color:rgb(43, 232, 43)  
}
```

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(43, 232, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 232, 43) }
```

Border

The CSS property to change the border of an element to Yxy 58.4012, 0.3009, 0.5802 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(43, 232, 43) }
```

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

```
.border{ border-color:rgb(43, 232, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 232, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 232, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 232, 43);  
box-shadow:4px 4px 4px 4px rgb(43, 232,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4012, 0.3009, 0.5802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 232, 43) }
```

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

```
.background{ background-color: rgb(43, 232,  
43) }
```

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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