

Converting Colors

$Y_{xy}(34.1502, 0.2985, 0.5945)$

Have a look what the booklet for
Yxy(34.1502, 0.2985, 0.5945)
contains.

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Color

Yxy(34.3155, 0.2985, 0.5946)

Conversions

Conversions Part 1

Format	Color
Hex	00B80F
RGB	0, 184, 15
RGB Percent	0%, 72%, 6%
CMY	1.0000, 0.2784, 0.9409
CMYK	1.00, 0.00, 0.92, 0.28
HSL	125°, 100%, 36%
HSV	125°, 100%, 72%
XYZ	17.2270, 34.3155, 6.1694
YIQ	109.7180, -55.4150, -91.5670

Conversions

Conversions Part 2

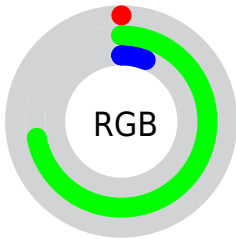
Format	Color
RYB	0, 170, 184
Decimal	47119
CIELab	65.21, -67.09, 63.20
CIELCh	65, 92.174, 136.709
Yxy	34.3155, 0.2985, 0.5946
Android (android.graphics.Color)	4278237199 (0xFF00B80F)
YUV	109.7180, -46.6960, -96.2227
Hunter-Lab	58.5794, -50.0208, 34.7614

Details

The Yxy color **34.3155, 0.2985, 0.5946** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.0530, 0.3426, 0.1661**, and the grayscale version is **15.6588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1724, 0.3098, 0.5378**, and **15.7005, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.3169, 0.2985, 0.5946**, and if you desaturate by 10%, it is **34.5188, 0.2979, 0.5824**.

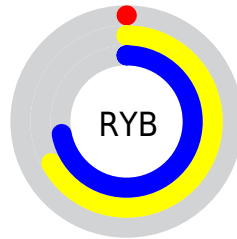
Distribution



Red (0%)

Green (72%)

Blue (6%)



Red (0%)

Yellow (67%)

Blue (72%)

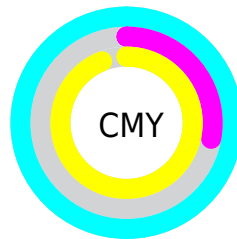


Cyan (100%)

Magenta (0%)

Yellow (92%)

Black (28%)



Cyan (100%)


Magenta (28%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3155, 0.2985, 0.5946 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 34.3155, 0.2985, 0.5946 by changing the saturation by 10% instead.

 34.3155, 0.2985,
0.5946


 34.3155, 0.2985,
0.5946


321.5366, 0.3184,
0.4459


 23.1361, 0.2874,
0.6337


 66.4240, 0.3099,
0.5381


 14.6940, 0.2691,
0.6829


 88.1219, 0.3129,
0.5174

 8.6049, 0.2427,
0.7573


 114.0947, 0.3148,
0.5003

 4.4844, 0.1864,
0.8136

 144.7268, 0.3162,
0.4859

 1.9481, 0.0000,
1.0000

 180.4027, 0.3171,
0.4736

 0.5770, 0.0000,
1.0000

 221.5067, 0.3177,

 0.0000, 0.0000,

0.4631

0.0000

268.4232, 0.3181,
0.4539

■ 34.3155, 0.2985,
0.5946

■ 34.3155, 0.2985,
0.5946

■ 34.3169, 0.2985,
0.5946

■ 34.5188, 0.2979,
0.5824

■ 34.8924, 0.2976,
0.5628

■ 35.4905, 0.2980,
0.5368

■ 36.3413, 0.2991,
0.5060

■ 37.4687, 0.3009,
0.4730

■ 38.8940, 0.3030,
0.4398

■ 40.6363, 0.3054,
0.4080

■ 42.7130, 0.3079,
0.3786

■ 45.1404, 0.3104,
0.3523

Harmonies

Analogous

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



34.3155, 0.4157, 0.5539



34.3155, 0.2985, 0.5946



34.3155, 0.1901, 0.4863

Triad

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



34.3155, 0.2985, 0.5946



34.3155, 0.1195, 0.1516



34.3155, 0.5415, 0.2902

Complementary

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



34.3155, 0.2985, 0.5946



13.0530, 0.3426, 0.1661

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.



34.3155, 0.4145, 0.2200



34.3155, 0.2985, 0.5946



34.3155, 0.1714, 0.1449

Square

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



34.3155, 0.2985, 0.5946



34.3155, 0.1036, 0.1981



34.3155, 0.2709, 0.1684



34.3155, 0.5754, 0.3680

Rectangle

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



34.3155, 0.2985, 0.5946



34.3155, 0.1396, 0.3646



34.3155, 0.2709, 0.1684



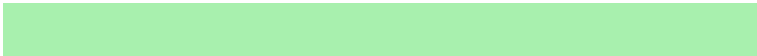
34.3155, 0.5069, 0.2656

Sweetspot

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



34.3169, 0.2985, 0.5946



73.4889, 0.3053, 0.4095



43.0231, 0.4077, 0.5145



15.5451, 0.3043, 0.4226



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.3169, 0.2985, 0.5946



62.1929, 0.2988, 0.5958



35.2872, 0.2660, 0.4776



10.0717, 0.3105, 0.3506



23.6546, 0.2982, 0.5936



0.8379, 0.2915, 0.5692

Inverse Universe

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



13.0530, 0.3426, 0.1661



23.6441, 0.3430, 0.1663



10.7660, 0.5240, 0.2660



9.1497, 0.3150, 0.3083



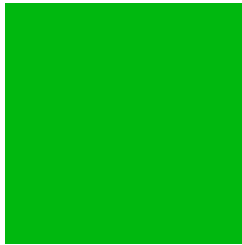
9.0007, 0.3423, 0.1659



0.3211, 0.3362, 0.1626

Previews

White Background



This preview shows how the Yxy color 34.3155, 0.2985, 0.5946 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 34.3155, 0.2985, 0.5946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

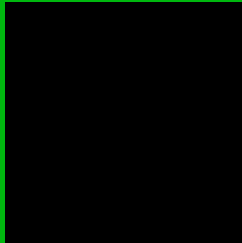
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3155, 0.2985, 0.5946

Background



This preview shows how black text looks on a background with the Yxy color 34.3155, 0.2985, 0.5946.



This preview shows how white text looks on a background with the Yxy color 34.3155, 0.2985, 0.5946.

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

34.3155, 0.2985, 0.5946

Deuteranopia

33.5324, 0.4584, 0.4496

Tritanopia

34.2064, 0.2362, 0.3062

Trichromacy



Original Color

34.3155, 0.2985, 0.5946



Deuteranomaly

30.3049, 0.3730, 0.5223



Tritanomaly

33.1337, 0.2626, 0.4272

Monochromacy



Original Color

34.3155, 0.2985, 0.5946



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

19.7014, 0.3017, 0.4665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3155, 0.2985, 0.5946 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(0, 184, 15)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 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(0, 184, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 15) }
```

Border

The CSS property to change the border of an element to Yxy 34.3155, 0.2985, 0.5946 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(0, 184, 15) }
```

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

```
.border{ border-color:rgb(0, 184, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 15);  
box-shadow:4px 4px 4px 4px rgb(0, 184, 15)  
}
```

Background

The CSS property to change the background color of an element to Yxy 34.3155, 0.2985, 0.5946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 15) }
```

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

```
.background{ background-color: rgb(0, 184,  
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](#).

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