

Converting Colors

Yxy(35.6862, 0.3087, 0.5931)

Have a look what the booklet for
Yxy(35.6862, 0.3087, 0.5931)
contains.

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Color

Yxy(35.6314, 0.3088, 0.5930)

Conversions

Conversions Part 1

Format	Color
Hex	2BBA00
RGB	43, 186, 0
RGB Percent	17%, 73%, 0%
CMY	0.8314, 0.2706, 0.9998
CMYK	0.77, 0.00, 1.00, 0.27
HSL	106°, 100%, 36%
HSV	106°, 100%, 73%
XYZ	18.5548, 35.6314, 5.9005
YIQ	122.0390, -25.5220, -88.1620

Conversions

Conversions Part 2

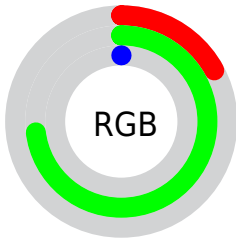
Format	Color
RYB	0, 186, 143
Decimal	2865664
CIELab	66.24, -64.42, 66.10
CIElCh	66, 92.302, 134.260
Yxy	35.6314, 0.3088, 0.5930
Android (android.graphics.Color)	4281055744 (0xFF2BBA00)
YUV	122.0390, -60.1652, -69.3172
Hunter-Lab	59.6920, -48.9759, 35.9237

Details

The Yxy color **35.6314, 0.3088, 0.5930** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **9.3925, 0.2631, 0.1223**, and the grayscale version is **19.6832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2287, 0.3182, 0.5379**, and **16.2326, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.6319, 0.3088, 0.5930**, and if you desaturate by 10%, it is **36.0438, 0.3128, 0.5817**.

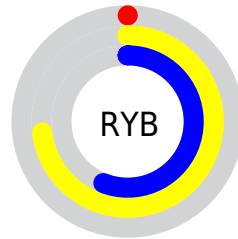
Distribution



Red (17%)

Green (73%)

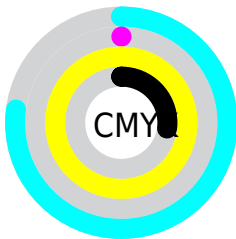
Blue (0%)



Red (0%)

Yellow (73%)

Blue (56%)

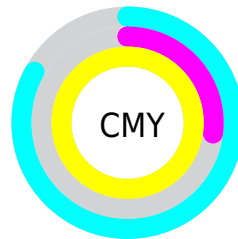


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (83%)


Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.6314, 0.3088, 0.5930 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 35.6314, 0.3088, 0.5930 by changing the saturation by 10% instead.


 35.6314, 0.3088,
0.5930


 35.6314, 0.3088,
0.5930


327.3466, 0.3238,
0.4473


 24.1497, 0.2988,
0.6302


 68.4628, 0.3185,
0.5384


 15.4447, 0.2820,
0.6763


 90.5812, 0.3208,
0.5182


 9.1321, 0.2570,
0.7430


 117.0139, 0.3222,
0.5013

 4.8274, 0.2041,
0.7959

 148.1454, 0.3231,
0.4871

 2.1464, 0.0596,
0.9404

 184.3600, 0.3235,
0.4749

 0.6905, 0.0000,
1.0000

 226.0421, 0.3238,

 0.0000, 0.0000,

0.4644

0.0000

273.5762, 0.3239,
0.4553

■ 35.6314, 0.3088,
0.5930

■ 35.6314, 0.3088,
0.5930

■ 35.6319, 0.3088,
0.5930

■ 36.0438, 0.3128,
0.5817

■ 36.6169, 0.3164,
0.5641

■ 37.3774, 0.3191,
0.5398

■ 38.3412, 0.3207,
0.5104

■ 39.5227, 0.3211,
0.4781

■ 40.9347, 0.3206,
0.4449

■ 42.5889, 0.3192,
0.4125

■ 44.4964, 0.3173,
0.3820

■ 46.6674, 0.3151,
0.3541

Harmonies

Analogous

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



35.6314, 0.4248, 0.5453



35.6314, 0.3088, 0.5930



35.6314, 0.1992, 0.4980

Triad

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



35.6314, 0.3088, 0.5930



35.6314, 0.1183, 0.1551



35.6314, 0.5317, 0.2848

Complementary

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



35.6314, 0.3088, 0.5930



9.3925, 0.2631, 0.1223

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.



35.6314, 0.4013, 0.2159



35.6314, 0.3088, 0.5930



35.6314, 0.1667, 0.1456

Square

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



35.6314, 0.3088, 0.5930



35.6314, 0.1053, 0.2057



35.6314, 0.2614, 0.1667



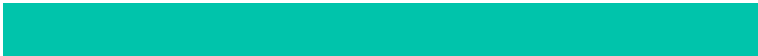
35.6314, 0.5743, 0.3617

Rectangle

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



35.6314, 0.3088, 0.5930



35.6314, 0.1461, 0.3788



35.6314, 0.2614, 0.1667



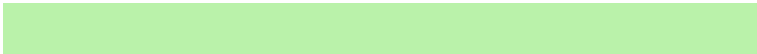
35.6314, 0.4950, 0.2605

Sweetspot

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



35.6329, 0.3088, 0.5930



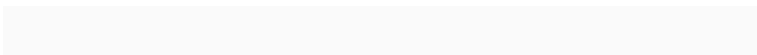
77.0229, 0.3193, 0.4142



29.9693, 0.4676, 0.4669



16.6720, 0.3199, 0.4278



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



35.6329, 0.3088, 0.5930



64.4919, 0.3080, 0.5937



35.3471, 0.2909, 0.5672



10.1575, 0.3150, 0.3524



23.9997, 0.3095, 0.5925



0.8747, 0.3284, 0.5774

Inverse Universe

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



9.3925, 0.2631, 0.1223



16.9051, 0.2621, 0.1218



12.2302, 0.4023, 0.1990



9.0554, 0.3102, 0.3062



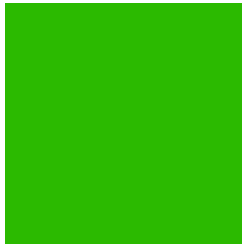
6.3523, 0.2638, 0.1227



0.2499, 0.2794, 0.1313

Previews

White Background



This preview shows how the Yxy color 35.6314, 0.3088, 0.5930 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 35.6314, 0.3088, 0.5930 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 35.6314, 0.3088, 0.5930

Background



This preview shows how black text looks on a background with the Yxy color 35.6314, 0.3088, 0.5930.



This preview shows how white text looks on a background with the Yxy color 35.6314, 0.3088, 0.5930.

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

35.6314, 0.3088, 0.5930

Protanopia

34.8449, 0.4402, 0.4886

Deuteranopia

35.0272, 0.4600, 0.4513



Tritanopia

35.5012, 0.2406, 0.3067

Trichromacy



Original Color

35.6314, 0.3088, 0.5930



Protanomaly

33.1218, 0.3793, 0.5370



Deuteranomaly

32.5504, 0.3936, 0.5135



Tritanomaly

34.5123, 0.2754, 0.4351

Monochromacy



Original Color

35.6314, 0.3088, 0.5930



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

23.1280, 0.3205, 0.4628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6314, 0.3088, 0.5930 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, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 186, 0)  
}
```

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, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 186, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.6314, 0.3088, 0.5930 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, 186, 0) }
```

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

```
.border{ border-color:rgb(43, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(43, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(43, 186, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.6314, 0.3088, 0.5930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 186, 0) }
```

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

```
.background{ background-color: rgb(43, 186,  
0) }
```

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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