

Converting Colors

$Y_{xy}(35.4430, 0.3044, 0.5965)$

Have a look what the booklet for
Yxy(35.4430, 0.3044, 0.5965)
contains.

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Color

Yxy(35.3647, 0.3043, 0.5966)

Conversions

Conversions Part 1

Format	Color
Hex	1CBA00
RGB	28, 186, 0
RGB Percent	11%, 73%, 0%
CMY	0.8901, 0.2706, 1.0000
CMYK	0.85, 0.00, 1.00, 0.27
HSL	111°, 100%, 36%
HSV	111°, 100%, 73%
XYZ	18.0380, 35.3647, 5.8744
YIQ	117.5540, -34.4620, -91.3420

Conversions

Conversions Part 2

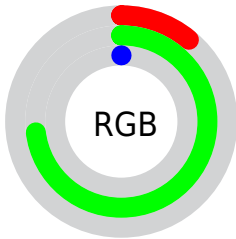
Format	Color
RYB	0, 186, 158
Decimal	1882624
CIELab	66.03, -66.25, 65.86
CIELCh	66, 93.418, 135.169
Yxy	35.3647, 0.3043, 0.5966
Android (android.graphics.Color)	4280072704 (0xFF1CBA00)
YUV	117.5540, -57.9541, -78.5389
Hunter-Lab	59.4682, -49.9264, 35.7710

Details

The Yxy color **35.3647, 0.3043, 0.5966** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **10.8129, 0.2831, 0.1333**, and the grayscale version is **18.1649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7628, 0.3150, 0.5411**, and **16.2326, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.3662, 0.3043, 0.5966**, and if you desaturate by 10%, it is **35.6962, 0.3071, 0.5861**.

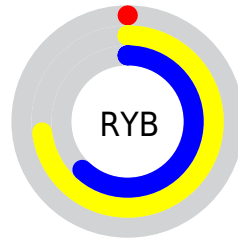
Distribution



Red (11%)

Green (73%)

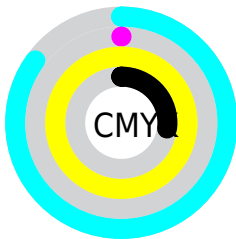
Blue (0%)



Red (0%)

Yellow (73%)

Blue (62%)

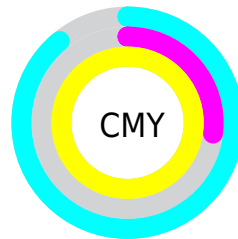


Cyan (85%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (89%)


Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3647, 0.3043, 0.5966 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 35.3647, 0.3043, 0.5966 by changing the saturation by 10% instead.


 35.3647, 0.3043,
0.5966


 35.3647, 0.3043,
0.5966


326.1752, 0.3218,
0.4483


 23.9439, 0.2936,
0.6347

 68.0504, 0.3150,
0.5408

 15.2920, 0.2759,
0.6820


 90.0841, 0.3176,
0.5203


 9.0246, 0.2495,
0.7505


 116.4242, 0.3193,
0.5031

 4.7572, 0.1952,
0.8048

 147.4551, 0.3204,
0.4886

 2.1055, 0.0320,
0.9680

 183.5613, 0.3211,
0.4763

 0.6677, 0.0000,
1.0000

 225.1271, 0.3215,

 0.0000, 0.0000,

0.4657

0.0000

272.5370, 0.3217,
0.4564

■ 35.3647, 0.3043,
0.5966

■ 35.3647, 0.3043,
0.5966

■ 35.3662, 0.3043,
0.5966

■ 35.6962, 0.3071,
0.5861

■ 36.2026, 0.3101,
0.5687

■ 36.9152, 0.3125,
0.5441

■ 37.8539, 0.3143,
0.5141

■ 39.0359, 0.3154,
0.4809

■ 40.4770, 0.3157,
0.4468

■ 42.1915, 0.3155,
0.4136

■ 44.1926, 0.3148,
0.3825

■ 46.4929, 0.3139,
0.3542

Harmonies

Analogous

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



35.3647, 0.4216, 0.5499



35.3647, 0.3043, 0.5966



35.3647, 0.1945, 0.4958

Triad

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



35.3647, 0.3043, 0.5966



35.3647, 0.1174, 0.1524



35.3647, 0.5376, 0.2861

Complementary

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



35.3647, 0.3043, 0.5966



10.8129, 0.2831, 0.1333

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.



35.3647, 0.4070, 0.2164



35.3647, 0.3043, 0.5966



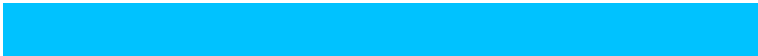
35.3647, 0.1673, 0.1440

Square

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



35.3647, 0.3043, 0.5966



35.3647, 0.1033, 0.2016



35.3647, 0.2643, 0.1661



35.3647, 0.5769, 0.3636

Rectangle

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



35.3647, 0.3043, 0.5966



35.3647, 0.1421, 0.3738



35.3647, 0.2643, 0.1661



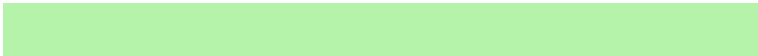
35.3647, 0.5013, 0.2617

Sweetspot

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



35.3662, 0.3043, 0.5966



76.3055, 0.3155, 0.4152



33.8830, 0.4522, 0.4792



16.5024, 0.3157, 0.4291



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.



35.3662, 0.3043, 0.5966



64.0371, 0.3037, 0.5971



35.4669, 0.2865, 0.5513



10.1233, 0.3138, 0.3525



23.8135, 0.3048, 0.5962



0.8601, 0.3191, 0.5848

Inverse Universe

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



10.8129, 0.2831, 0.1333



19.5133, 0.2825, 0.1330



11.8948, 0.4274, 0.2128



9.0924, 0.3114, 0.3063



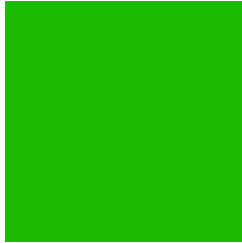
7.3002, 0.2836, 0.1336



0.2761, 0.2938, 0.1392

Previews

White Background



This preview shows how the Yxy color 35.3647, 0.3043, 0.5966 looks on a white background.

Color Contrast Check

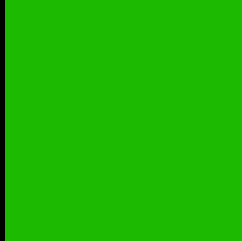
Large Text (above 18pt) WCAG AA × Fail

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 35.3647, 0.3043, 0.5966 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 35.3647, 0.3043, 0.5966

Background



This preview shows how black text looks on a background with the Yxy color 35.3647, 0.3043, 0.5966.



This preview shows how white text looks on a background with the Yxy color 35.3647, 0.3043, 0.5966.

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

35.3647, 0.3043, 0.5966

Protanopia

34.8449, 0.4402, 0.4886

Deuteranopia

34.5658, 0.4601, 0.4509



Tritanopia

35.2688, 0.2381, 0.3066

Trichromacy



Original Color

35.3647, 0.3043, 0.5966



Protanomaly

32.7359, 0.3743, 0.5410



Deuteranomaly

31.9395, 0.3862, 0.5190



Tritanomaly

34.1968, 0.2710, 0.4364

Monochromacy



Original Color

35.3647, 0.3043, 0.5966



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

22.0842, 0.3153, 0.4693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3647, 0.3043, 0.5966 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(28, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(28, 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(28, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 186, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.3647, 0.3043, 0.5966 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(28, 186, 0) }
```

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

```
.border{ border-color:rgb(28, 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(28, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(28, 186, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.3647, 0.3043, 0.5966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 186, 0) }
```

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

```
.background{ background-color: rgb(28, 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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