

Converting Colors

$Y_{xy}(35.2460, 0.2976, 0.5912)$

Have a look what the booklet for
Yxy(35.2460, 0.2976, 0.5912)
contains.

Yxy(35.1757, 0.2976, 0.5912)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.1757, 0.2976, 0.5912)

Conversions

Conversions Part 1

Format	Color
Hex	00BA16
RGB	0, 186, 22
RGB Percent	0%, 73%, 9%
CMY	0.9987, 0.2706, 0.9136
CMYK	1.00, 0.00, 0.88, 0.27
HSL	127°, 100%, 37%
HSV	127°, 100%, 73%
XYZ	17.7068, 35.1757, 6.6163
YIQ	111.6900, -58.2120, -90.4360

Conversions

Conversions Part 2

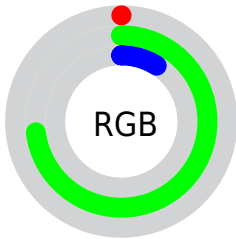
Format	Color
RYB	0, 166, 186
Decimal	47638
CIELab	65.89, -67.39, 62.55
CIELCh	66, 91.946, 137.132
Yxy	35.1757, 0.2976, 0.5912
Android (android.graphics.Color)	4278237718 (0xFF00BA16)
YUV	111.6900, -44.2172, -97.9521
Hunter-Lab	59.3091, -50.4994, 34.9022

Details

The Yxy color **35.1757, 0.2976, 0.5912** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.1369, 0.3527, 0.1717**, and the grayscale version is **16.2831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0666, 0.3091, 0.5361**, and **16.2326, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.1740, 0.2976, 0.5914**, and if you desaturate by 10%, it is **35.3976, 0.2965, 0.5772**.

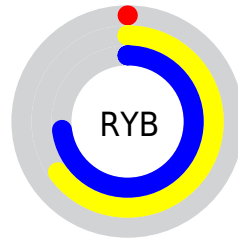
Distribution



Red (0%)

Green (73%)

Blue (9%)



Red (0%)

Yellow (65%)

Blue (73%)

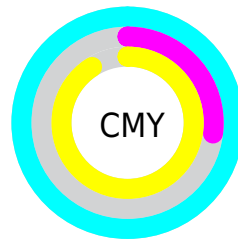


Cyan (100%)

Magenta (0%)

Yellow (88%)

Black (27%)



Cyan (100%)


Magenta (27%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1757, 0.2976, 0.5912 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 35.1757, 0.2976, 0.5912 by changing the saturation by 10% instead.


 35.1757, 0.2976,
0.5912


 35.1757, 0.2976,
0.5912


325.3432, 0.3175,
0.4447

 23.7983, 0.2868,
0.6298

 67.7579, 0.3088,
0.5355


 15.1840, 0.2692,
0.6785


 89.7314, 0.3117,
0.5152


 8.9486, 0.2448,
0.7552


 116.0057, 0.3137,
0.4983

 4.7077, 0.1896,
0.8104

 146.9652, 0.3151,
0.4841

 2.0768, 0.0126,
0.9874

 182.9943, 0.3161,
0.4720

 0.6515, 0.0000,
1.0000

 224.4774, 0.3167,

 0.0000, 0.0000,

0.4616

0.0000

271.7989, 0.3172,
0.4526

■ 35.1757, 0.2976,
0.5912

■ 35.1757, 0.2976,
0.5912

■ 35.1740, 0.2976,
0.5914

■ 35.3976, 0.2965,
0.5772

■ 35.7948, 0.2958,
0.5564

■ 36.4202, 0.2960,
0.5299

■ 37.3019, 0.2971,
0.4994

■ 38.4638, 0.2989,
0.4671

■ 39.9270, 0.3013,
0.4350

■ 41.7107, 0.3041,
0.4044

■ 43.8324, 0.3070,
0.3763

■ 46.3084, 0.3099,
0.3510

Harmonies

Analogous

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



35.1757, 0.4140, 0.5535



35.1757, 0.2976, 0.5912



35.1757, 0.1902, 0.4819

Triad

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



35.1757, 0.2976, 0.5912



35.1757, 0.1212, 0.1526



35.1757, 0.5404, 0.2919

Complementary

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



35.1757, 0.2976, 0.5912



13.1369, 0.3527, 0.1717

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.



35.1757, 0.4157, 0.2218



35.1757, 0.2976, 0.5912



35.1757, 0.1736, 0.1463

Square

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



35.1757, 0.2976, 0.5912



35.1757, 0.1050, 0.1984



35.1757, 0.2732, 0.1701



35.1757, 0.5730, 0.3695

Rectangle

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



35.1757, 0.2976, 0.5912



35.1757, 0.1403, 0.3620



35.1757, 0.2732, 0.1701



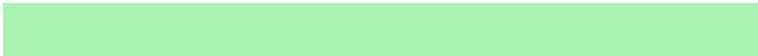
35.1757, 0.5065, 0.2674

Sweetspot

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



35.1772, 0.2976, 0.5912



75.3691, 0.3039, 0.4064



43.0461, 0.3989, 0.5213



16.2835, 0.3027, 0.4192



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.



35.1772, 0.2976, 0.5912



63.7386, 0.2980, 0.5929



36.3529, 0.2610, 0.4596



10.0767, 0.3101, 0.3498



23.6705, 0.2972, 0.5901



0.8401, 0.2881, 0.5571

Inverse Universe

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



13.1369, 0.3527, 0.1717



23.7731, 0.3534, 0.1720



10.9073, 0.5442, 0.2773



9.1442, 0.3155, 0.3091



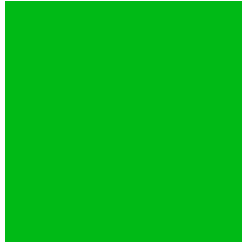
8.8398, 0.3523, 0.1714



0.3168, 0.3432, 0.1664

Previews

White Background



This preview shows how the Yxy color 35.1757, 0.2976, 0.5912 looks on a white background.

Color Contrast Check

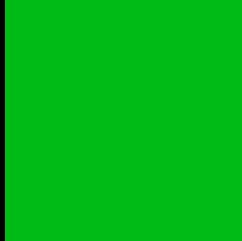
Large Text (above 18pt) WCAG AA × Fail

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 35.1757, 0.2976, 0.5912 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

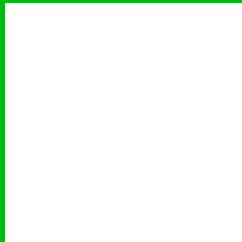
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1757, 0.2976, 0.5912

Background



This preview shows how black text looks on a background with the Yxy color 35.1757, 0.2976, 0.5912.



This preview shows how white text looks on a background with the Yxy color 35.1757, 0.2976, 0.5912.

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

35.1757, 0.2976, 0.5912

Protanopia

34.4065, 0.4385, 0.4859

Deuteranopia

34.4648, 0.4567, 0.4485



Tritanopia

35.0947, 0.2363, 0.3065

Trichromacy



Original Color

35.1757, 0.2976, 0.5912



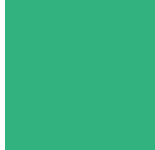
Protanomaly

31.9908, 0.3612, 0.5444



Deuteranomaly

31.1965, 0.3718, 0.5186



Tritanomaly

34.0512, 0.2612, 0.4222

Monochromacy



Original Color

35.1757, 0.2976, 0.5912



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

20.3693, 0.2993, 0.4604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1757, 0.2976, 0.5912 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, 186, 22)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 22)  
}
```

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, 186, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 22) }
```

Border

The CSS property to change the border of an element to Yxy 35.1757, 0.2976, 0.5912 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, 186, 22) }
```

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

```
.border{ border-color:rgb(0, 186, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 22);  
box-shadow:4px 4px 4px 4px rgb(0, 186, 22)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.1757, 0.2976, 0.5912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 22) }
```

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

```
.background{ background-color: rgb(0, 186,  
22) }
```

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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