

Converting Colors

$Y_{xy}(35.3550, 0.3030, 0.5976)$

Have a look what the booklet for
Yxy(35.3550, 0.3030, 0.5976)
contains.

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Color

Yxy(35.2884, 0.3030, 0.5976)

Conversions

Conversions Part 1

Format	Color
Hex	16BA00
RGB	22, 186, 0
RGB Percent	9%, 73%, 0%
CMY	0.9132, 0.2706, 0.9998
CMYK	0.88, 0.00, 1.00, 0.27
HSL	113°, 100%, 36%
HSV	113°, 100%, 73%
XYZ	17.8922, 35.2884, 5.8696
YIQ	115.7600, -38.0380, -92.6140

Conversions

Conversions Part 2

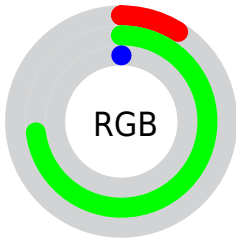
Format	Color
RYB	0, 186, 164
Decimal	1489408
CIELab	65.97, -66.77, 65.78
CIELCh	66, 93.731, 135.429
Yxy	35.2884, 0.3030, 0.5976
Android (android.graphics.Color)	4279679488 (0xFF16BA00)
YUV	115.7600, -57.0697, -82.2275
Hunter-Lab	59.4040, -50.1937, 35.7245

Details

The Yxy color **35.2884, 0.3030, 0.5976** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **11.4313, 0.2911, 0.1378**, and the grayscale version is **17.5899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6403, 0.3141, 0.5417**, and **16.2326, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.2891, 0.3030, 0.5976**, and if you desaturate by 10%, it is **35.5857, 0.3053, 0.5875**.

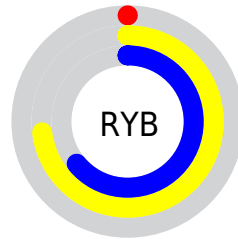
Distribution



Red (9%)

Green (73%)

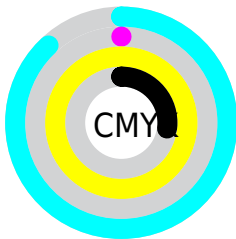
Blue (0%)



Red (0%)

Yellow (73%)

Blue (64%)

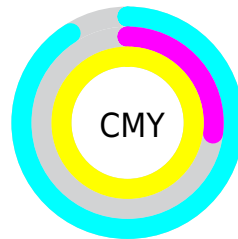


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (91%)

Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2884, 0.3030, 0.5976 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 35.2884, 0.3030, 0.5976 by changing the saturation by 10% instead.


 35.2884, 0.3030,
0.5976


 35.2884, 0.3030,
0.5976


325.8395, 0.3212,
0.4486

 23.8851, 0.2922,
0.6360


 67.9323, 0.3140,
0.5415

 15.2484, 0.2741,
0.6836


 89.9417, 0.3167,
0.5208


 8.9939, 0.2474,
0.7526


 116.2553, 0.3185,
0.5036

 4.7372, 0.1927,
0.8073

 147.2574, 0.3196,
0.4891

 2.0939, 0.0236,
0.9764

 183.3325, 0.3204,
0.4767

 0.6612, 0.0000,
1.0000

 224.8650, 0.3208,

 0.0000, 0.0000,

0.4660

0.0000

272.2392, 0.3211,
0.4567

■ 35.2884, 0.3030,
0.5976

■ 35.2884, 0.3030,
0.5976

■ 35.2891, 0.3030,
0.5976

■ 35.5857, 0.3053,
0.5875

■ 36.0628, 0.3079,
0.5703

■ 36.7532, 0.3101,
0.5456

■ 37.6786, 0.3119,
0.5153

■ 38.8578, 0.3132,
0.4818

■ 40.3080, 0.3138,
0.4473

■ 42.0446, 0.3140,
0.4139

■ 44.0819, 0.3138,
0.3826

■ 46.4333, 0.3134,
0.3542

Harmonies

Analogous

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



35.2884, 0.4206, 0.5512



35.2884, 0.3030, 0.5976



35.2884, 0.1932, 0.4951

Triad

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



35.2884, 0.3030, 0.5976



35.2884, 0.1172, 0.1517



35.2884, 0.5392, 0.2865

Complementary

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



35.2884, 0.3030, 0.5976



11.4313, 0.2911, 0.1378

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.



35.2884, 0.4087, 0.2166



35.2884, 0.3030, 0.5976



35.2884, 0.1675, 0.1436

Square

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



35.2884, 0.3030, 0.5976



35.2884, 0.1027, 0.2005



35.2884, 0.2652, 0.1660



35.2884, 0.5776, 0.3641

Rectangle

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



35.2884, 0.3030, 0.5976



35.2884, 0.1410, 0.3723



35.2884, 0.2652, 0.1660



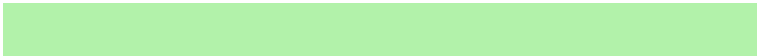
35.2884, 0.5031, 0.2620

Sweetspot

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



35.2899, 0.3030, 0.5976



76.0283, 0.3140, 0.4156



36.0017, 0.4449, 0.4849



16.4373, 0.3140, 0.4296



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.



35.2899, 0.3030, 0.5976



63.9109, 0.3025, 0.5980



35.5383, 0.2840, 0.5423



10.1098, 0.3133, 0.3525



23.7593, 0.3034, 0.5973



0.8544, 0.3152, 0.5879

Inverse Universe

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



11.4313, 0.2911, 0.1378



20.6457, 0.2906, 0.1375



11.7442, 0.4405, 0.2201



9.1072, 0.3119, 0.3063



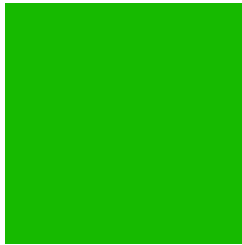
7.7106, 0.2915, 0.1380



0.2872, 0.2996, 0.1424

Previews

White Background



This preview shows how the Yxy color 35.2884, 0.3030, 0.5976 looks on a white background.

Color Contrast Check

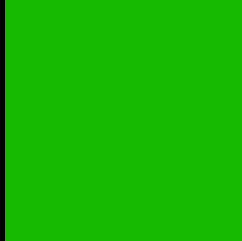
Large Text (above 18pt) WCAG AA × Fail

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 35.2884, 0.3030, 0.5976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

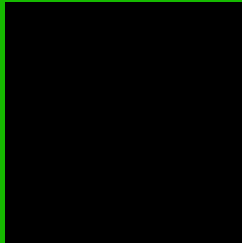
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2884, 0.3030, 0.5976

Background



This preview shows how black text looks on a background with the Yxy color 35.2884, 0.3030, 0.5976.



This preview shows how white text looks on a background with the Yxy color 35.2884, 0.3030, 0.5976.

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

35.2884, 0.3030, 0.5976

Protanopia

34.3800, 0.4404, 0.4886

Deuteranopia

34.5658, 0.4601, 0.4509



Tritanopia

35.1805, 0.2372, 0.3065

Trichromacy



Original Color

35.2884, 0.3030, 0.5976



Protanomaly

32.5135, 0.3713, 0.5434



Deuteranomaly

31.7720, 0.3841, 0.5206



Tritanomaly

34.1025, 0.2696, 0.4368

Monochromacy



Original Color

35.2884, 0.3030, 0.5976



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

21.3380, 0.3135, 0.4697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2884, 0.3030, 0.5976 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(22, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(22, 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(22, 186, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 35.2884, 0.3030, 0.5976 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(22, 186, 0) }
```

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

```
.border{ border-color:rgb(22, 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(22, 186, 0) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 35.2884, 0.3030, 0.5976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(22, 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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