

Converting Colors

$Y_{xy}(35.3916, 0.2915, 0.5695)$

Have a look what the booklet for
Yxy(35.3916, 0.2915, 0.5695)
contains.

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Color

Yxy(35.3312, 0.2914, 0.5691)

Conversions

Conversions Part 1

Format	Color
Hex	00BA30
RGB	0, 186, 48
RGB Percent	0%, 73%, 19%
CMY	1.0000, 0.2706, 0.8118
CMYK	1.00, 0.00, 0.74, 0.27
HSL	135°, 100%, 36%
HSV	135°, 100%, 73%
XYZ	18.0909, 35.3312, 8.6605
YIQ	114.6540, -66.5580, -82.3500

Conversions

Conversions Part 2

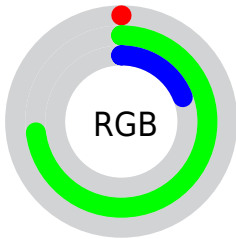
Format	Color
RYB	0, 148, 186
Decimal	47664
CIELab	66.01, -65.86, 55.38
CIELCh	66, 86.047, 139.941
Yxy	35.3312, 0.2914, 0.5691
Android (android.graphics.Color)	4278237744 (0xFF00BA30)
YUV	114.6540, -32.8604, -100.5516
Hunter-Lab	59.4401, -49.6928, 32.9694

Details

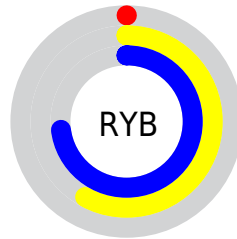
The Yxy color **35.3312, 0.2914, 0.5691** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.2753, 0.3992, 0.1973**, and the grayscale version is **17.1511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2773, 0.3017, 0.5172**, and **16.2326, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.3335, 0.2914, 0.5691**, and if you desaturate by 10%, it is **35.6002, 0.2888, 0.5502**.

Distribution



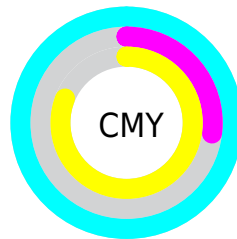
- Red (0%)
- Green (73%)
- Blue (19%)



- Red (0%)
- Yellow (58%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3312, 0.2914, 0.5691 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 35.3312, 0.2914, 0.5691 by changing the saturation by 10% instead.


 35.3312, 0.2914,
0.5691


 35.3312, 0.2914,
0.5691


 326.0278, 0.3120,
0.4339


 23.9181, 0.2817,
0.6061


 67.9985, 0.3020,
0.5170


 15.2729, 0.2661,
0.6542


 90.0216, 0.3050,
0.4982


 9.0111, 0.2414,
0.7211


 116.3500, 0.3071,
0.4827

 4.7484, 0.1967,
0.8033

 147.3684, 0.3087,
0.4697

 2.1004, 0.0351,
0.9649

 183.4609, 0.3099,
0.4587

 0.6649, 0.0000,
1.0000

 225.0121, 0.3108,

 0.0000, 0.0000,

0.4493

0.0000

272.4062, 0.3114,
0.4411

■ 35.3312, 0.2914,
0.5691

■ 35.3312, 0.2914,
0.5691

■ 35.3335, 0.2914,
0.5691

■ 35.6002, 0.2888,
0.5502

■ 36.0334, 0.2871,
0.5273

■ 36.6831, 0.2869,
0.5012

■ 37.5753, 0.2882,
0.4734

■ 38.7318, 0.2907,
0.4452

■ 40.1722, 0.2942,
0.4180

■ 41.9142, 0.2984,
0.3924

■ 43.9739, 0.3030,
0.3689

■ 46.3663, 0.3079,
0.3477

Harmonies

Analogous

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



35.3312, 0.4031, 0.5500



35.3312, 0.2914, 0.5691



35.3312, 0.1903, 0.4556

Triad

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



35.3312, 0.2914, 0.5691



35.3312, 0.1327, 0.1590



35.3312, 0.5336, 0.3025

Complementary

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



35.3312, 0.2914, 0.5691



12.2753, 0.3992, 0.1973

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.



35.3312, 0.4226, 0.2334



35.3312, 0.2914, 0.5691



35.3312, 0.1875, 0.1553

Square

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



35.3312, 0.2914, 0.5691



35.3312, 0.1140, 0.2000



35.3312, 0.2874, 0.1811



35.3312, 0.5578, 0.3792

Rectangle

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



35.3312, 0.2914, 0.5691



35.3312, 0.1447, 0.3464



35.3312, 0.2874, 0.1811



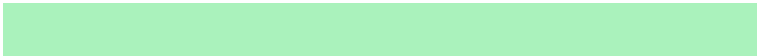
35.3312, 0.5043, 0.2784

Sweetspot

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



35.3335, 0.2914, 0.5691



75.7968, 0.2982, 0.3936



40.6527, 0.3757, 0.5399



16.3846, 0.2963, 0.4042



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.



35.3335, 0.2914, 0.5691



64.0065, 0.2921, 0.5716



36.9991, 0.2477, 0.4118



10.0971, 0.3082, 0.3464



23.7803, 0.2908, 0.5669



0.8487, 0.2760, 0.5136

Inverse Universe

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



12.2753, 0.3992, 0.1973



22.2067, 0.4007, 0.1981



10.6411, 0.5931, 0.3041



9.1221, 0.3176, 0.3122



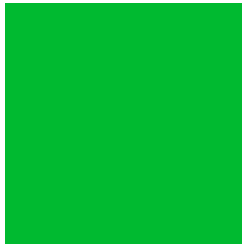
8.2706, 0.3979, 0.1966



0.3010, 0.3741, 0.1834

Previews

White Background



This preview shows how the Yxy color 35.3312, 0.2914, 0.5691 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 35.3312, 0.2914, 0.5691 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

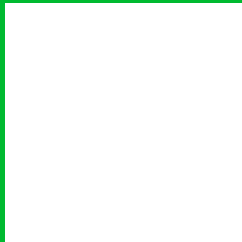
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.3312, 0.2914, 0.5691

Background



This preview shows how black text looks on a background with the Yxy color 35.3312, 0.2914, 0.5691.



This preview shows how white text looks on a background with the Yxy color 35.3312, 0.2914, 0.5691.

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

35.3312, 0.2914, 0.5691

Protanopia

34.8854, 0.4287, 0.4739

Deuteranopia

34.4868, 0.4455, 0.4362



Tritanopia

35.0958, 0.2353, 0.3049

Trichromacy



Original Color

35.3312, 0.2914, 0.5691



Protanomaly

32.1352, 0.3528, 0.5254



Deuteranomaly

31.2819, 0.3612, 0.4996



Tritanomaly

34.2999, 0.2549, 0.4028

Monochromacy



Original Color

35.3312, 0.2914, 0.5691



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

21.2216, 0.2912, 0.4364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3312, 0.2914, 0.5691 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 48) }
```

Border

The CSS property to change the border of an element to Yxy 35.3312, 0.2914, 0.5691 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, 48) }
```

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

```
.border{ border-color:rgb(0, 186, 48) }
```

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, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 48);  
box-shadow:4px 4px 4px 4px rgb(0, 186, 48)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.3312, 0.2914, 0.5691 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, 48) }
```

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

```
.background{ background-color: rgb(0, 186,  
48) }
```

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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