

Converting Colors

$Y_{xy}(35.3365, 0.2937, 0.5771)$

Have a look what the booklet for
Yxy(35.3365, 0.2937, 0.5771)
contains.

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Color

Yxy(35.2710, 0.2937, 0.5774)

Conversions

Conversions Part 1

Format	Color
Hex	00BA28
RGB	0, 186, 40
RGB Percent	0%, 73%, 16%
CMY	1.0000, 0.2706, 0.8429
CMYK	1.00, 0.00, 0.78, 0.27
HSL	133°, 100%, 36%
HSV	133°, 100%, 73%
XYZ	17.9409, 35.2710, 7.8740
YIQ	113.7420, -63.9900, -84.8380

Conversions

Conversions Part 2

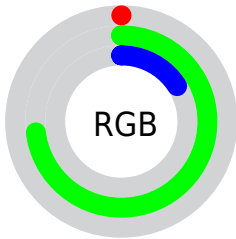
Format	Color
RYB	0, 153, 186
Decimal	47656
CIELab	65.96, -66.45, 57.98
CIELCh	66, 88.195, 138.894
Yxy	35.2710, 0.2937, 0.5774
Android (android.graphics.Color)	4278237736 (0xFF00BA28)
YUV	113.7420, -36.3548, -99.7517
Hunter-Lab	59.3894, -50.0084, 33.7118

Details

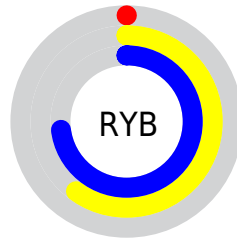
The Yxy color **35.2710, 0.2937, 0.5774** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.5136, 0.3842, 0.1890**, and the grayscale version is **16.8739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2171, 0.3044, 0.5237**, and **16.2326, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.2736, 0.2937, 0.5774**, and if you desaturate by 10%, it is **35.5269, 0.2915, 0.5596**.

Distribution



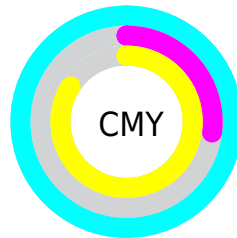
- Red (0%)
- Green (73%)
- Blue (16%)



- Red (0%)
- Yellow (60%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2710, 0.2937, 0.5774 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 35.2710, 0.2937, 0.5774 by changing the saturation by 10% instead.


 35.2710, 0.2937,
0.5774

 35.2710, 0.2937,
0.5774


325.7629, 0.3140,
0.4379

 23.8717, 0.2836,
0.6151


 67.9054, 0.3045,
0.5239


 15.2385, 0.2673,
0.6636


 89.9092, 0.3074,
0.5045


 8.9869, 0.2428,
0.7343

 116.2168, 0.3095,
0.4884

 4.7327, 0.1939,
0.8061

 147.2123, 0.3110,
0.4750

 2.0913, 0.0265,
0.9735

 183.2803, 0.3121,
0.4636

 0.6597, 0.0000,
1.0000

 224.8052, 0.3129,

 0.0000, 0.0000,

0.4538

0.0000

272.1712, 0.3135,
0.4453

■ 35.2710, 0.2937,
0.5774

■ 35.2710, 0.2937,
0.5774

■ 35.2736, 0.2937,
0.5774

■ 35.5269, 0.2915,
0.5596

■ 35.9497, 0.2900,
0.5370

■ 36.5926, 0.2898,
0.5104

■ 37.4819, 0.2909,
0.4816

■ 38.6402, 0.2932,
0.4521

■ 40.0874, 0.2963,
0.4233

■ 41.8415, 0.3001,
0.3961

■ 43.9191, 0.3042,
0.3712

■ 46.3356, 0.3085,
0.3488

Harmonies

Analogous

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



35.2710, 0.4071, 0.5516



35.2710, 0.2937, 0.5774



35.2710, 0.1902, 0.4650

Triad

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



35.2710, 0.2937, 0.5774



35.2710, 0.1284, 0.1566



35.2710, 0.5362, 0.2986

Complementary

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



35.2710, 0.2937, 0.5774



12.5136, 0.3842, 0.1890

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.



35.2710, 0.4202, 0.2291



35.2710, 0.2937, 0.5774



35.2710, 0.1824, 0.1520

Square

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



35.2710, 0.2937, 0.5774



35.2710, 0.1107, 0.1994



35.2710, 0.2822, 0.1770



35.2710, 0.5634, 0.3757

Rectangle

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



35.2710, 0.2937, 0.5774



35.2710, 0.1430, 0.3519



35.2710, 0.2822, 0.1770



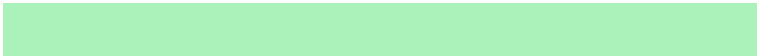
35.2710, 0.5053, 0.2744

Sweetspot

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



35.2736, 0.2937, 0.5774



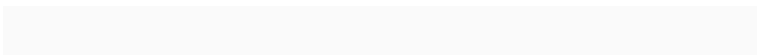
75.6642, 0.2999, 0.3974



41.4912, 0.3844, 0.5330



16.3531, 0.2983, 0.4088



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.



35.2736, 0.2937, 0.5774



63.9026, 0.2943, 0.5796



36.7372, 0.2527, 0.4298



10.0909, 0.3088, 0.3474



23.7388, 0.2932, 0.5754



0.8461, 0.2794, 0.5260

Inverse Universe

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



12.5136, 0.3842, 0.1890



22.6430, 0.3854, 0.1897



10.7233, 0.5764, 0.2949



9.1287, 0.3169, 0.3112



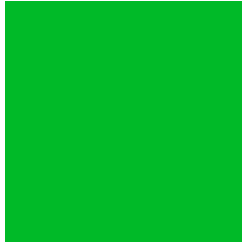
8.4296, 0.3832, 0.1885



0.3055, 0.3643, 0.1780

Previews

White Background



This preview shows how the Yxy color 35.2710, 0.2937, 0.5774 looks on a white background.

Color Contrast Check

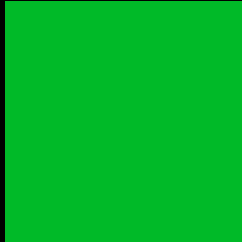
Large Text (above 18pt) WCAG AA × Fail

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 35.2710, 0.2937, 0.5774 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 35.2710, 0.2937, 0.5774

Background



This preview shows how black text looks on a background with the Yxy color 35.2710, 0.2937, 0.5774.



This preview shows how white text looks on a background with the Yxy color 35.2710, 0.2937, 0.5774.

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

35.2710, 0.2937, 0.5774

Protanopia

34.4898, 0.4330, 0.4777

Deuteranopia

34.5609, 0.4504, 0.4406



Tritanopia

35.0528, 0.2358, 0.3064

Trichromacy



Original Color

35.2710, 0.2937, 0.5774



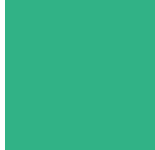
Protanomaly

32.0807, 0.3559, 0.5324



Deuteranomaly

31.2932, 0.3660, 0.5067



Tritanomaly

34.2150, 0.2567, 0.4086

Monochromacy



Original Color

35.2710, 0.2937, 0.5774



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

20.8608, 0.2945, 0.4437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2710, 0.2937, 0.5774 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 40) }
```

Border

The CSS property to change the border of an element to Yxy 35.2710, 0.2937, 0.5774 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, 40) }
```

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

```
.border{ border-color:rgb(0, 186, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 40);  
box-shadow:4px 4px 4px 4px rgb(0, 186, 40)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.2710, 0.2937, 0.5774 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, 40) }
```

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

```
.background{ background-color: rgb(0, 186,  
40) }
```

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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