

Converting Colors

$Y_{xy}(35.1375, 0.2992, 0.5970)$

Have a look what the booklet for
Yxy(35.1375, 0.2992, 0.5970)
contains.

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Color

Yxy(35.1375, 0.2992, 0.5970)

Conversions

Conversions Part 1

Format	Color
Hex	00BA09
RGB	0, 186, 9
RGB Percent	0%, 73%, 4%
CMY	0.9991, 0.2706, 0.9651
CMYK	1.00, 0.00, 0.95, 0.27
HSL	123°, 100%, 37%
HSV	123°, 100%, 73%
XYZ	17.6099, 35.1375, 6.1093
YIQ	110.2080, -54.0390, -94.4790

Conversions

Conversions Part 2

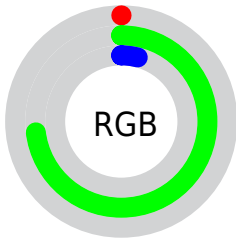
Format	Color
RYB	0, 177, 186
Decimal	47625
CIELab	65.86, -67.78, 64.56
CIELCh	66, 93.611, 136.394
Yxy	35.1375, 0.2992, 0.5970
Android (android.graphics.Color)	4278237705 (0xFF00BA09)
YUV	110.2080, -49.8955, -96.6524
Hunter-Lab	59.2769, -50.7059, 35.3831

Details

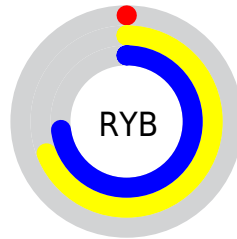
The Yxy color **35.1375, 0.2992, 0.5970** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.6320, 0.3329, 0.1608**, and the grayscale version is **15.8328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9899, 0.3107, 0.5409**, and **16.2326, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.1369, 0.2992, 0.5971**, and if you desaturate by 10%, it is **35.3322, 0.2991, 0.5866**.

Distribution



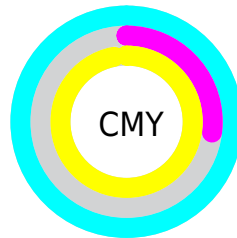
- Red (0%)
- Green (73%)
- Blue (4%)



- Red (0%)
- Yellow (69%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1375, 0.2992, 0.5970 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 35.1375, 0.2992, 0.5970 by changing the saturation by 10% instead.


 35.1375, 0.2992,
0.5970


 35.1375, 0.2992,
0.5970


325.1748, 0.3191,
0.4477


 23.7688, 0.2881,
0.6359


 67.6987, 0.3106,
0.5405

 15.1622, 0.2698,
0.6844


 89.6600, 0.3136,
0.5198


 8.9333, 0.2433,
0.7567


 115.9210, 0.3156,
0.5026

 4.6977, 0.1878,
0.8122

 146.8661, 0.3169,
0.4880

 2.0710, 0.0066,
0.9934

 182.8796, 0.3178,
0.4757

 0.6482, 0.0000,
1.0000

 224.3460, 0.3184,

 0.0000, 0.0000,

0.4650

0.0000

271.6496, 0.3188,
0.4558

■ 35.1375, 0.2992,
0.5970

■ 35.1375, 0.2992,
0.5970

■ 35.1369, 0.2992,
0.5971

■ 35.3322, 0.2991,
0.5866

■ 35.7041, 0.2992,
0.5683

■ 36.3088, 0.2999,
0.5428

■ 37.1761, 0.3012,
0.5118

■ 38.3314, 0.3028,
0.4781

■ 39.7970, 0.3048,
0.4438

■ 41.5931, 0.3068,
0.4108

■ 43.7381, 0.3089,
0.3803

■ 46.2492, 0.3109,
0.3529

Harmonies

Analogous

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



35.1375, 0.4169, 0.5540



35.1375, 0.2992, 0.5970



35.1375, 0.1902, 0.4895

Triad

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



35.1375, 0.2992, 0.5970



35.1375, 0.1182, 0.1509



35.1375, 0.5422, 0.2889

Complementary

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



35.1375, 0.2992, 0.5970



13.6320, 0.3329, 0.1608

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.



35.1375, 0.4136, 0.2186



35.1375, 0.2992, 0.5970



35.1375, 0.1698, 0.1439

Square

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



35.1375, 0.2992, 0.5970



35.1375, 0.1026, 0.1980



35.1375, 0.2692, 0.1672



35.1375, 0.5772, 0.3668

Rectangle

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



35.1375, 0.2992, 0.5970



35.1375, 0.1391, 0.3666



35.1375, 0.2692, 0.1672



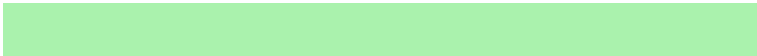
35.1375, 0.5070, 0.2643

Sweetspot

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



35.1390, 0.2992, 0.5970



75.1677, 0.3067, 0.4128



44.7987, 0.4135, 0.5098



16.2364, 0.3058, 0.4266



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.



35.1390, 0.2992, 0.5970



63.6781, 0.2994, 0.5979



36.0263, 0.2692, 0.4892



10.0667, 0.3110, 0.3515



23.6421, 0.2990, 0.5964



0.8357, 0.2950, 0.5820

Inverse Universe

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



13.6320, 0.3329, 0.1608



24.6881, 0.3332, 0.1609



11.1313, 0.5098, 0.2583



9.1553, 0.3145, 0.3075



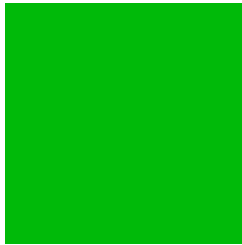
9.1705, 0.3328, 0.1607



0.3255, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 35.1375, 0.2992, 0.5970 looks on a white background.

Color Contrast Check

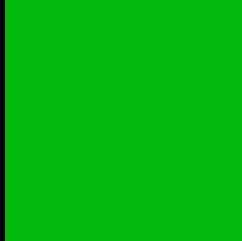
Large Text (above 18pt) WCAG AA × Fail

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 35.1375, 0.2992, 0.5970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

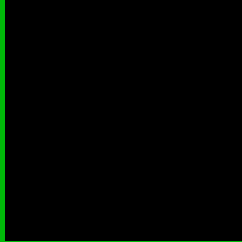
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1375, 0.2992, 0.5970

Background



This preview shows how black text looks on a background with the Yxy color 35.1375, 0.2992, 0.5970.



This preview shows how white text looks on a background with the Yxy color 35.1375, 0.2992, 0.5970.

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

35.1375, 0.2992, 0.5970

Protanopia

34.3800, 0.4404, 0.4886

Deuteranopia

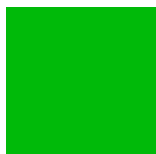
34.5727, 0.4596, 0.4503



Tritanopia

35.0947, 0.2363, 0.3065

Trichromacy



Original Color

35.1375, 0.2992, 0.5970



Protanomaly

31.9599, 0.3630, 0.5487



Deuteranomaly

31.1517, 0.3745, 0.5244



Tritanomaly

33.9240, 0.2642, 0.4319

Monochromacy



Original Color

35.1375, 0.2992, 0.5970



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

19.9601, 0.3033, 0.4723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1375, 0.2992, 0.5970 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 9)  
}
```

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, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 9) }
```

Border

The CSS property to change the border of an element to Yxy 35.1375, 0.2992, 0.5970 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, 9) }
```

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

```
.border{ border-color:rgb(0, 186, 9) }
```

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, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 186, 9); box-shadow:4px  
4px 4px 4px rgb(0, 186, 9) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1375, 0.2992, 0.5970 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, 9) }
```

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

```
.background{ background-color: rgb(0, 186,  
9) }
```

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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