

Converting Colors

$Yxy(35.5666, 0.3001, 0.5987)$

Have a look what the booklet for
Yxy(35.5666, 0.3001, 0.5987)
contains.

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Color

Yxy(35.5666, 0.3001, 0.5987)

Conversions

Conversions Part 1

Format	Color
Hex	03BB03
RGB	3, 187, 3
RGB Percent	1%, 73%, 1%
CMY	0.9868, 0.2667, 0.9881
CMYK	0.98, 0.00, 0.98, 0.27
HSL	120°, 97%, 37%
HSV	120°, 98%, 73%
XYZ	17.8279, 35.5666, 6.0119
YIQ	111.0080, -50.6000, -96.2320

Conversions

Conversions Part 2

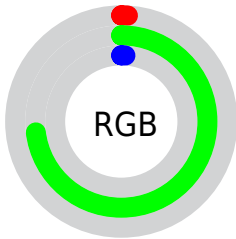
Format	Color
RYB	3, 187, 187
Decimal	244483
CIELab	66.19, -68.04, 65.54
CIELCh	66, 94.477, 136.071
Yxy	35.5666, 0.3001, 0.5987
Android (android.graphics.Color)	4278434563 (0xFF03BB03)
YUV	111.0080, -53.2479, -94.7230
Hunter-Lab	59.6377, -51.0060, 35.7695

Details

The Yxy color **35.5666, 0.3001, 0.5987** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **14.1749, 0.3204, 0.1544**, and the grayscale version is **16.1027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6360, 0.3114, 0.5420**, and **16.5025, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.5419, 0.3000, 0.6000**, and if you desaturate by 10%, it is **35.7676, 0.3006, 0.5893**.

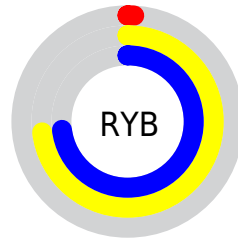
Distribution



Red (1%)

Green (73%)

Blue (1%)



Red (1%)

Yellow (73%)

Blue (73%)

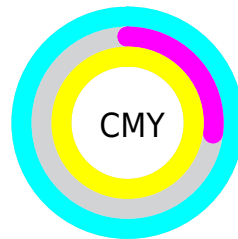


Cyan (98%)

Magenta (0%)

Yellow (98%)

Black (27%)



Cyan (99%)


Magenta (27%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5666, 0.3001, 0.5987 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 35.5666, 0.3001, 0.5987 by changing the saturation by 10% instead.

 35.5666, 0.3001,
0.5987


 35.5666, 0.3001,
0.5987


327.0623, 0.3198,
0.4489

 24.0997, 0.2890,
0.6374


 68.3626, 0.3115,
0.5422

 15.4076, 0.2707,
0.6855


 90.4604, 0.3145,
0.5215


 9.1059, 0.2439,
0.7561


 116.8707, 0.3164,
0.5041

 4.8103, 0.1889,
0.8111

 147.9778, 0.3177,
0.4896

 2.1364, 0.0194,
0.9806

 184.1661, 0.3186,
0.4771

 0.6850, 0.0000,
1.0000

 225.8200, 0.3192,

 0.0000, 0.0000,

0.4664

0.0000

273.3239, 0.3195,
0.4571

■ 35.5666, 0.3001,
0.5987

■ 35.5666, 0.3001,
0.5987

■ 35.5419, 0.3000,
0.6000

■ 35.7676, 0.3006,
0.5893

■ 36.1612, 0.3014,
0.5718

■ 36.7979, 0.3026,
0.5462

■ 37.7084, 0.3041,
0.5146

■ 38.9189, 0.3058,
0.4798

■ 40.4524, 0.3074,
0.4442

■ 42.3297, 0.3090,
0.4100

■ 44.5699, 0.3105,
0.3784

■ 47.1908, 0.3118,
0.3501

Harmonies

Analogous

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



35.5666, 0.4182, 0.5538



35.5666, 0.3001, 0.5987



35.5666, 0.1905, 0.4923

Triad

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



35.5666, 0.3001, 0.5987



35.5666, 0.1172, 0.1505



35.5666, 0.5423, 0.2878

Complementary

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



35.5666, 0.3001, 0.5987



14.1749, 0.3204, 0.1544

Split Complementary

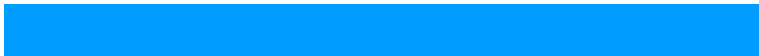
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



35.5666, 0.4124, 0.2175



35.5666, 0.3001, 0.5987



35.5666, 0.1685, 0.1432

Square

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



35.5666, 0.3001, 0.5987



35.5666, 0.1020, 0.1982



35.5666, 0.2676, 0.1662



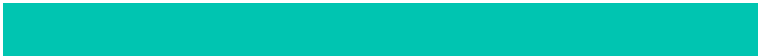
35.5666, 0.5784, 0.3657

Rectangle

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



35.5666, 0.3001, 0.5987



35.5666, 0.1390, 0.3686



35.5666, 0.2676, 0.1662



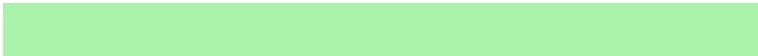
35.5666, 0.5067, 0.2632

Sweetspot

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



35.5681, 0.3001, 0.5987



75.0532, 0.3087, 0.4170



44.8237, 0.4219, 0.5024



16.2098, 0.3080, 0.4314



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.



35.5681, 0.3001, 0.5987



63.6561, 0.3000, 0.6000



36.3310, 0.2735, 0.5035



10.6505, 0.3116, 0.3527



24.4897, 0.3000, 0.6000



0.9596, 0.3002, 0.5998

Inverse Universe

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



14.1749, 0.3204, 0.1544



25.2676, 0.3205, 0.1539



11.5137, 0.4853, 0.2458



9.6954, 0.3137, 0.3064



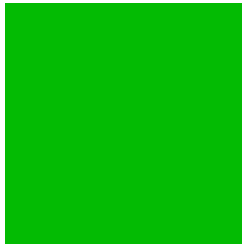
9.7215, 0.3205, 0.1539



0.3811, 0.3206, 0.1540

Previews

White Background



This preview shows how the Yxy color 35.5666, 0.3001, 0.5987 looks on a white background.

Color Contrast Check

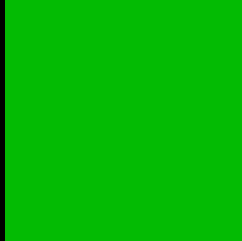
Large Text (above 18pt) WCAG AA × Fail

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 35.5666, 0.3001, 0.5987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

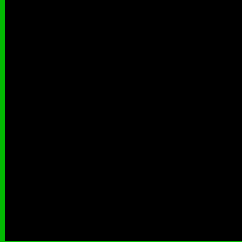
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5666, 0.3001, 0.5987

Background



This preview shows how black text looks on a background with the Yxy color 35.5666, 0.3001, 0.5987.



This preview shows how white text looks on a background with the Yxy color 35.5666, 0.3001, 0.5987.

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

35.5666, 0.3001, 0.5987

Protanopia

34.8449, 0.4402, 0.4886

Deuteranopia

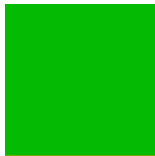
35.0341, 0.4595, 0.4507



Tritanopia

35.5652, 0.2365, 0.3066

Trichromacy



Original Color

35.5666, 0.3001, 0.5987



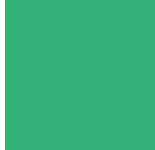
Protanomaly

32.4646, 0.3645, 0.5483



Deuteranomaly

31.6565, 0.3765, 0.5249



Tritanomaly

34.3245, 0.2654, 0.4352

Monochromacy



Original Color

35.5666, 0.3001, 0.5987



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

20.3108, 0.3059, 0.4751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5666, 0.3001, 0.5987 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(3, 187, 3)` looks like.

```
.text, #text, p{  
    color:rgb(3, 187, 3)  
}
```

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(3, 187, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 187, 3) }
```

Border

The CSS property to change the border of an element to Yxy 35.5666, 0.3001, 0.5987 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(3, 187, 3) }
```

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

```
.border{ border-color:rgb(3, 187, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 187, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 187, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 187, 3); box-shadow:4px  
4px 4px 4px rgb(3, 187, 3) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5666, 0.3001, 0.5987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 187, 3) }
```

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

```
.background{ background-color: rgb(3, 187,  
3) }
```

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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