

Converting Colors

$Y_{xy}(35.9966, 0.2988, 0.5957)$

Have a look what the booklet for
Yxy(35.9966, 0.2988, 0.5957)
contains.

Yxy(35.9955, 0.2988, 0.5957)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.9955, 0.2988, 0.5957)

Conversions

Conversions Part 1

Format	Color
Hex	00BC0D
RGB	0, 188, 13
RGB Percent	0%, 74%, 5%
CMY	1.0000, 0.2627, 0.9492
CMYK	1.00, 0.00, 0.93, 0.26
HSL	124°, 100%, 37%
HSV	124°, 100%, 74%
XYZ	18.0552, 35.9955, 6.3749
YIQ	111.8380, -55.8730, -94.2810

Conversions

Conversions Part 2

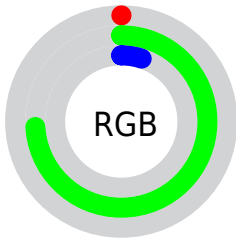
Format	Color
RYB	0, 176, 188
Decimal	48141
CIELab	66.52, -68.25, 64.61
CIElCh	67, 93.981, 136.570
Yxy	35.9955, 0.2988, 0.5957
Android (android.graphics.Color)	4278238221 (0xFF00BC0D)
YUV	111.8380, -48.7271, -98.0819
Hunter-Lab	59.9962, -51.2760, 35.6975

Details

The Yxy color **35.9955, 0.2988, 0.5957** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.7890, 0.3390, 0.1641**, and the grayscale version is **16.3104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2301, 0.3099, 0.5400**, and **16.7751, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.9973, 0.2988, 0.5957**, and if you desaturate by 10%, it is **36.2009, 0.2984, 0.5842**.

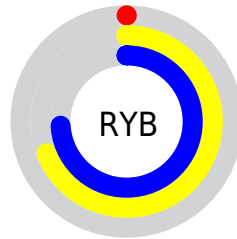
Distribution



Red (0%)

Green (74%)

Blue (5%)



Red (0%)

Yellow (69%)

Blue (74%)

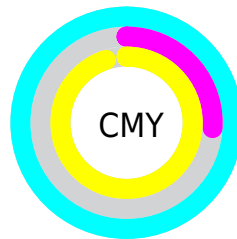


Cyan (100%)

Magenta (0%)

Yellow (93%)

Black (26%)



Cyan (100%)


Magenta (26%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9955, 0.2988, 0.5957 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 35.9955, 0.2988, 0.5957 by changing the saturation by 10% instead.


 35.9955, 0.2988,
0.5957


 35.9955, 0.2988,
0.5957


328.9409, 0.3187,
0.4476

 24.4307, 0.2879,
0.6342


 69.0251, 0.3101,
0.5398


 15.6534, 0.2700,
0.6822


 91.2587, 0.3131,
0.5192

 9.2793, 0.2447,
0.7553


 117.8175, 0.3151,
0.5021

 4.9238, 0.1902,
0.8098

 149.0856, 0.3164,
0.4877

 2.2026, 0.0316,
0.9684

 185.4477, 0.3174,
0.4754

 0.7214, 0.0000,
1.0000

 227.2879, 0.3180,

 0.0000, 0.0000,

0.4648

0.0000

274.9909, 0.3184,
0.4556

■ 35.9955, 0.2988,
0.5957

■ 35.9955, 0.2988,
0.5957

■ 35.9973, 0.2988,
0.5957

■ 36.2009, 0.2984,
0.5842

■ 36.5860, 0.2982,
0.5653

■ 37.2078, 0.2987,
0.5394

■ 38.0965, 0.2999,
0.5086

■ 39.2775, 0.3016,
0.4752

■ 40.7736, 0.3036,
0.4416

■ 42.6050, 0.3059,
0.4093

■ 44.7904, 0.3083,
0.3795

■ 47.3471, 0.3105,
0.3527

Harmonies

Analogous

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



35.9955, 0.4162, 0.5540



35.9955, 0.2988, 0.5957



35.9955, 0.1901, 0.4877

Triad

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



35.9955, 0.2988, 0.5957



35.9955, 0.1189, 0.1513



35.9955, 0.5418, 0.2896

Complementary

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



35.9955, 0.2988, 0.5957



13.7890, 0.3390, 0.1641

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.



35.9955, 0.4141, 0.2194



35.9955, 0.2988, 0.5957



35.9955, 0.1707, 0.1444

Square

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



35.9955, 0.2988, 0.5957



35.9955, 0.1032, 0.1981



35.9955, 0.2701, 0.1679



35.9955, 0.5762, 0.3674

Rectangle

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



35.9955, 0.2988, 0.5957



35.9955, 0.1393, 0.3655



35.9955, 0.2701, 0.1679



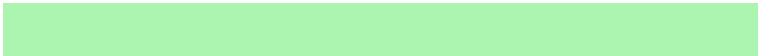
35.9955, 0.5070, 0.2651

Sweetspot

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



35.9973, 0.2988, 0.5957



77.0335, 0.3058, 0.4108



45.1369, 0.4077, 0.5145



16.2511, 0.3048, 0.4242



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.



35.9973, 0.2988, 0.5957



65.2239, 0.2991, 0.5967



37.0201, 0.2661, 0.4778



10.6600, 0.3107, 0.3510



24.5118, 0.2985, 0.5948



0.9638, 0.2931, 0.5752

Inverse Universe

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



13.7890, 0.3390, 0.1641



24.9742, 0.3393, 0.1643



11.2931, 0.5243, 0.2662



9.6846, 0.3148, 0.3079



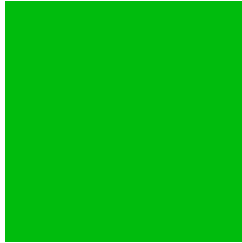
9.3923, 0.3388, 0.1640



0.3713, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 35.9955, 0.2988, 0.5957 looks on a white background.

Color Contrast Check

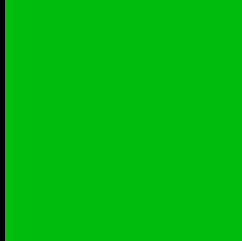
Large Text (above 18pt) WCAG AA × Fail

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 35.9955, 0.2988, 0.5957 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

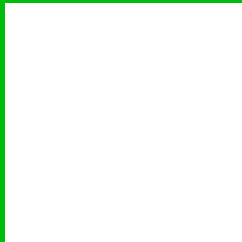
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.9955, 0.2988, 0.5957

Background



This preview shows how black text looks on a background with the Yxy color 35.9955, 0.2988, 0.5957.



This preview shows how white text looks on a background with the Yxy color 35.9955, 0.2988, 0.5957.

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

35.9955, 0.2988, 0.5957

Protanopia

35.3135, 0.4401, 0.4887

Deuteranopia

35.1802, 0.4600, 0.4495



Tritanopia

35.9963, 0.2364, 0.3067

Trichromacy



Original Color

35.9955, 0.2988, 0.5957



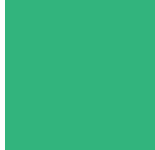
Protanomaly

32.7816, 0.3624, 0.5484



Deuteranomaly

31.6763, 0.3752, 0.5223



Tritanomaly

34.8013, 0.2630, 0.4289

Monochromacy



Original Color

35.9955, 0.2988, 0.5957



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

20.6176, 0.3017, 0.4684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9955, 0.2988, 0.5957 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, 188, 13)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 13)  
}
```

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, 188, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 13) }
```

Border

The CSS property to change the border of an element to Yxy 35.9955, 0.2988, 0.5957 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, 188, 13) }
```

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

```
.border{ border-color:rgb(0, 188, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 13);  
box-shadow:4px 4px 4px 4px rgb(0, 188, 13)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.9955, 0.2988, 0.5957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 13) }
```

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

```
.background{ background-color: rgb(0, 188,  
13) }
```

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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