

Converting Colors

$Y_{xy}(40.8108, 0.2996, 0.5987)$

Have a look what the booklet for
Yxy(40.8108, 0.2996, 0.5987)
contains.

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Color

Yxy(40.8578, 0.2996, 0.5986)

Conversions

Conversions Part 1

Format	Color
Hex	00C705
RGB	0, 199, 5
RGB Percent	0%, 78%, 2%
CMY	1.0000, 0.2196, 0.9808
CMYK	1.00, 0.00, 0.98, 0.22
HSL	121°, 100%, 39%
HSV	121°, 100%, 78%
XYZ	20.4494, 40.8578, 6.9484
YIQ	117.3830, -56.3300, -102.5220

Conversions

Conversions Part 2

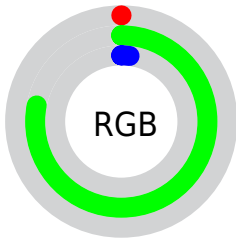
Format	Color
RYB	0, 194, 199
Decimal	50949
CIELab	70.08, -71.41, 68.48
CIELCh	70, 98.943, 136.199
Yxy	40.8578, 0.2996, 0.5986
Android (android.graphics.Color)	4278241029 (0xFF00C705)
YUV	117.3830, -55.4048, -102.9449
Hunter-Lab	63.9201, -54.7543, 38.2990

Details

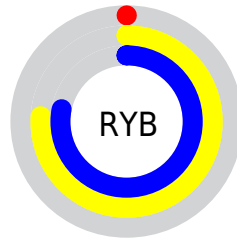
The Yxy color **40.8578, 0.2996, 0.5986** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **16.0430, 0.3272, 0.1576**, and the grayscale version is **18.1005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0723, 0.3109, 0.5429**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.8601, 0.2996, 0.5986**, and if you desaturate by 10%, it is **41.0643, 0.2998, 0.5896**.

Distribution



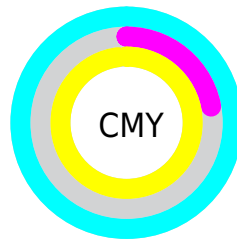
- Red (0%)
- Green (78%)
- Blue (2%)



- Red (0%)
- Yellow (76%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (98%)
- Black (22%)




- Cyan (100%)
- Magenta (22%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8578, 0.2996, 0.5986 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 40.8578, 0.2996, 0.5986 by changing the saturation by 10% instead.


 40.8578, 0.2996,
0.5986


 40.8578, 0.2996,
0.5986


349.7259, 0.3194,
0.4520


 28.2080, 0.2891,
0.6354


 76.4680, 0.3108,
0.5442


 18.4825, 0.2722,
0.6808


 100.1971, 0.3137,
0.5239


 11.2970, 0.2488,
0.7484


 128.3882, 0.3157,
0.5069

 6.2669, 0.1998,
0.8002


 161.4256, 0.3171,
0.4925

 3.0081, 0.1093,
0.8907

 199.6936, 0.3180,
0.4802

 1.1359, 0.0000,
1.0000

 243.5768, 0.3187,

 0.0084, 0.0000,

0.4695

1.0000

293.4594, 0.3191,
0.4602

■ 0.0000, 0.0000,
0.0000

■ 40.8578, 0.2996,
0.5986

■ 40.8578, 0.2996,
0.5986

■ 40.8601, 0.2996,
0.5986

■ 41.0643, 0.2998,
0.5896

■ 41.4762, 0.3002,
0.5726

■ 42.1611, 0.3010,
0.5478

■ 43.1550, 0.3024,
0.5169

■ 44.4887, 0.3040,
0.4826

■ 46.1893, 0.3058,
0.4475

■ 48.2808, 0.3077,
0.4136

■ 50.7857, 0.3095,
0.3822

■ 53.7244, 0.3112,
0.3539

Harmonies

Analogous

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



40.8578, 0.4177, 0.5542



40.8578, 0.2996, 0.5986



40.8578, 0.1901, 0.4916

Triad

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



40.8578, 0.2996, 0.5986



40.8578, 0.1174, 0.1504



40.8578, 0.5427, 0.2881

Complementary

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



40.8578, 0.2996, 0.5986



16.0430, 0.3272, 0.1576

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.



40.8578, 0.4130, 0.2178



40.8578, 0.2996, 0.5986



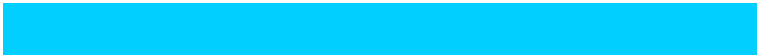
40.8578, 0.1688, 0.1432

Square

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



40.8578, 0.2996, 0.5986



40.8578, 0.1020, 0.1979



40.8578, 0.2681, 0.1664



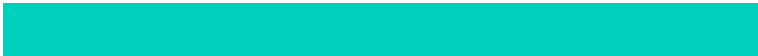
40.8578, 0.5783, 0.3660

Rectangle

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



40.8578, 0.2996, 0.5986



40.8578, 0.1388, 0.3678



40.8578, 0.2681, 0.1664



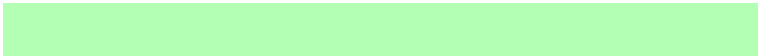
40.8578, 0.5072, 0.2635

Sweetspot

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



40.8601, 0.2996, 0.5986



84.3551, 0.3076, 0.4151



52.5434, 0.4164, 0.5076



17.7045, 0.3068, 0.4294



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.8601, 0.2996, 0.5986



71.5337, 0.2997, 0.5990



41.8250, 0.2711, 0.4959



11.8920, 0.3113, 0.3523



26.2743, 0.2995, 0.5982



1.2456, 0.2977, 0.5918

Inverse Universe

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



16.0430, 0.3272, 0.1576



28.0827, 0.3273, 0.1577



12.9908, 0.5041, 0.2551



10.8120, 0.3141, 0.3068



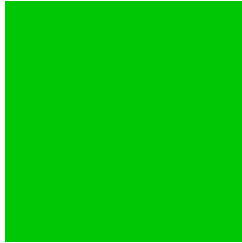
10.3174, 0.3271, 0.1576



0.4900, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 40.8578, 0.2996, 0.5986 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 40.8578, 0.2996, 0.5986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

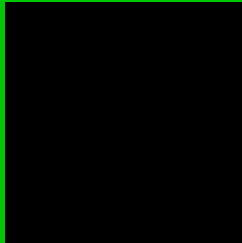
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

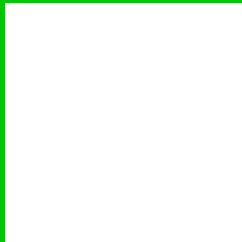
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8578, 0.2996, 0.5986

Background



This preview shows how black text looks on a background with the Yxy color 40.8578, 0.2996, 0.5986.



This preview shows how white text looks on a background with the Yxy color 40.8578, 0.2996, 0.5986.

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

40.8578, 0.2996, 0.5986

Protanopia

39.9559, 0.4411, 0.4880

Deuteranopia

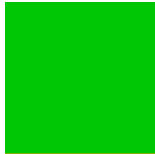
39.9603, 0.4612, 0.4504



Tritanopia

40.7529, 0.2363, 0.3063

Trichromacy



Original Color

40.8578, 0.2996, 0.5986



Protanomaly

37.1897, 0.3628, 0.5494



Deuteranomaly

35.9829, 0.3756, 0.5258



Tritanomaly

39.1688, 0.2647, 0.4348

Monochromacy



Original Color

40.8578, 0.2996, 0.5986



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

22.8451, 0.3041, 0.4771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8578, 0.2996, 0.5986 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, 199, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 5)  
}
```

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, 199, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 5) }
```

Border

The CSS property to change the border of an element to Yxy 40.8578, 0.2996, 0.5986 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, 199, 5) }
```

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

```
.border{ border-color:rgb(0, 199, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 199, 5); box-shadow:4px  
4px 4px 4px rgb(0, 199, 5) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8578, 0.2996, 0.5986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 5) }
```

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

```
.background{ background-color: rgb(0, 199,  
5) }
```

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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