

Converting Colors

$Y_{xy}(43.2056, 0.2993, 0.5975)$

Have a look what the booklet for
Yxy(43.2056, 0.2993, 0.5975)
contains.

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Color

Yxy(43.2055, 0.2993, 0.5975)

Conversions

Conversions Part 1

Format	Color
Hex	00CC09
RGB	0, 204, 9
RGB Percent	0%, 80%, 4%
CMY	1.0000, 0.2000, 0.9639
CMYK	1.00, 0.00, 0.95, 0.20
HSL	123°, 100%, 40%
HSV	123°, 100%, 80%
XYZ	21.6425, 43.2055, 7.4624
YIQ	120.7740, -58.9890, -103.8930

Conversions

Conversions Part 2

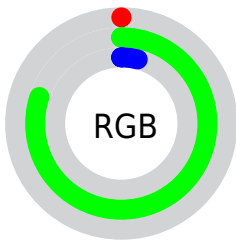
Format	Color
RYB	0, 195, 204
Decimal	52233
CIELab	71.69, -72.67, 69.35
CIELCh	72, 100.450, 136.339
Yxy	43.2055, 0.2993, 0.5975
Android (android.graphics.Color)	4278242313 (0xFF00CC09)
YUV	120.7740, -55.1046, -105.9188
Hunter-Lab	65.7309, -56.2562, 39.2804

Details

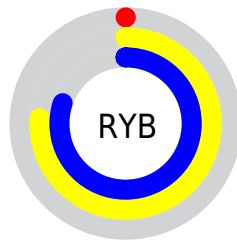
The Yxy color **43.2055, 0.2993, 0.5975** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **16.7690, 0.3326, 0.1606**, and the grayscale version is **19.2477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1634, 0.3108, 0.5409**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.2076, 0.2993, 0.5975**, and if you desaturate by 10%, it is **43.4276, 0.2992, 0.5877**.

Distribution



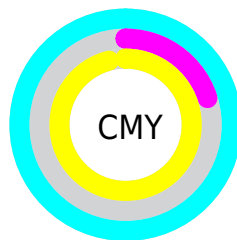
- Red (0%)
- Green (80%)
- Blue (4%)



- Red (0%)
- Yellow (76%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.2055, 0.2993, 0.5975 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 43.2055, 0.2993, 0.5975 by changing the saturation by 10% instead.


 43.2055, 0.2993,
0.5975


 43.2055, 0.2993,
0.5975


359.4562, 0.3191,
0.4527


 30.0464, 0.2891,
0.6335


 80.0209, 0.3103,
0.5440

 19.8738, 0.2728,
0.6778


 104.4459, 0.3132,
0.5240

 12.3033, 0.2494,
0.7400


 133.3951, 0.3153,
0.5072

 6.9506, 0.2044,
0.7956

 167.2527, 0.3166,
0.4930

 3.4312, 0.1291,
0.8709

 206.4033, 0.3176,
0.4807

 1.3608, 0.0000,
1.0000

 251.2311, 0.3183,


 0.1876, 0.0000,


0.4701


1.0000


302.1206, 0.3188,
0.4609


 0.0000, 0.0000,
0.0000


 43.2055, 0.2993,
0.5975


 43.2055, 0.2993,
0.5975


 43.2076, 0.2993,
0.5975

 43.4276, 0.2992,
0.5877

 43.8695, 0.2993,
0.5699

 44.5990, 0.3000,
0.5446

 45.6536, 0.3012,
0.5138

 47.0655, 0.3028,
0.4798

■ 48.8630, 0.3048,
0.4452

■ 51.0712, 0.3068,
0.4119

■ 53.7136, 0.3089,
0.3811

■ 56.8116, 0.3109,
0.3534

Harmonies

Analogous

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



43.2055, 0.4172, 0.5541



43.2055, 0.2993, 0.5975



43.2055, 0.1901, 0.4901

Triad

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



43.2055, 0.2993, 0.5975



43.2055, 0.1179, 0.1507



43.2055, 0.5424, 0.2887

Complementary

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



43.2055, 0.2993, 0.5975



16.7690, 0.3326, 0.1606

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.



43.2055, 0.4134, 0.2184



43.2055, 0.2993, 0.5975



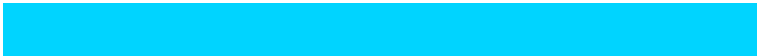
43.2055, 0.1695, 0.1437

Square

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



43.2055, 0.2993, 0.5975



43.2055, 0.1024, 0.1980



43.2055, 0.2689, 0.1669



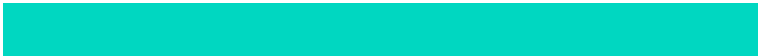
43.2055, 0.5775, 0.3666

Rectangle

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



43.2055, 0.2993, 0.5975



43.2055, 0.1390, 0.3669



43.2055, 0.2689, 0.1669



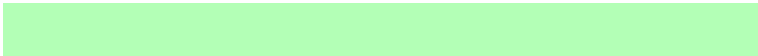
43.2055, 0.5071, 0.2641

Sweetspot

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



43.2076, 0.2993, 0.5975



84.4196, 0.3068, 0.4132



55.0853, 0.4135, 0.5099



17.7191, 0.3059, 0.4272



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.



43.2076, 0.2993, 0.5975



71.5453, 0.2995, 0.5981



44.2873, 0.2696, 0.4904



12.5450, 0.3110, 0.3518



27.1980, 0.2991, 0.5968



1.4060, 0.2961, 0.5858

Inverse Universe

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



16.7690, 0.3326, 0.1606



27.7610, 0.3328, 0.1607



13.6678, 0.5116, 0.2592



11.3947, 0.3145, 0.3072



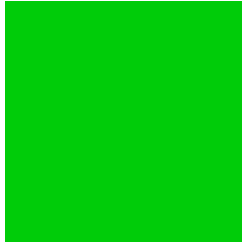
10.5580, 0.3324, 0.1605



0.5474, 0.3300, 0.1592

Previews

White Background



This preview shows how the Yxy color 43.2055, 0.2993, 0.5975 looks on a white background.

Color Contrast Check

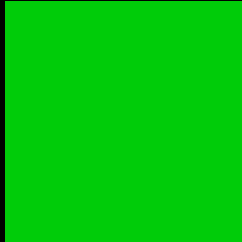
Large Text (above 18pt) WCAG AA × Fail

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 43.2055, 0.2993, 0.5975 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 43.2055, 0.2993, 0.5975

Background



This preview shows how black text looks on a background with the Yxy color 43.2055, 0.2993, 0.5975.



This preview shows how white text looks on a background with the Yxy color 43.2055, 0.2993, 0.5975.

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

43.2055, 0.2993, 0.5975

Protanopia

42.5303, 0.4405, 0.4884

Deuteranopia

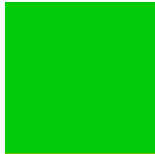
42.1598, 0.4607, 0.4502



Tritanopia

43.2131, 0.2362, 0.3068

Trichromacy



Original Color

43.2055, 0.2993, 0.5975



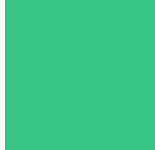
Protanomaly

39.4844, 0.3623, 0.5495



Deuteranomaly

37.8335, 0.3748, 0.5247



Tritanomaly

41.5637, 0.2640, 0.4321

Monochromacy



Original Color

43.2055, 0.2993, 0.5975



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

24.2902, 0.3035, 0.4733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.2055, 0.2993, 0.5975 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, 204, 9)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 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, 204, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 9) }
```

Border

The CSS property to change the border of an element to Yxy 43.2055, 0.2993, 0.5975 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, 204, 9) }
```

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

```
.border{ border-color:rgb(0, 204, 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, 204, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 204, 9); box-shadow:4px  
4px 4px 4px rgb(0, 204, 9) }
```


Background

The CSS property to change the background color of an element to Yxy 43.2055, 0.2993, 0.5975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 9) }
```

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

```
.background{ background-color: rgb(0, 204,  
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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