

Converting Colors

Yxy(43.5656, 0.3054, 0.5957)

Have a look what the booklet for
Yxy(43.5656, 0.3054, 0.5957)
contains.

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Color

Yxy(43.5608, 0.3053, 0.5958)

Conversions

Conversions Part 1

Format	Color
Hex	24CC00
RGB	36, 204, 0
RGB Percent	14%, 80%, 0%
CMY	0.8587, 0.2000, 1.0000
CMYK	0.82, 0.00, 1.00, 0.20
HSL	109°, 100%, 40%
HSV	109°, 100%, 80%
XYZ	22.3214, 43.5608, 7.2309
YIQ	130.5120, -34.6440, -99.0600

Conversions

Conversions Part 2

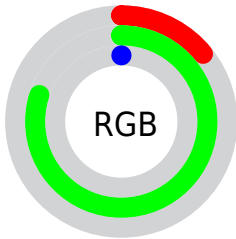
Format	Color
RYB	0, 204, 168
Decimal	2411520
CIELab	71.93, -70.54, 70.62
CIELCh	72, 99.816, 134.969
Yxy	43.5608, 0.3053, 0.5958
Android (android.graphics.Color)	4280601600 (0xFF24CC00)
YUV	130.5120, -64.3424, -82.8870
Hunter-Lab	66.0006, -55.1323, 39.7047

Details

The Yxy color **43.5608, 0.3053, 0.5958** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **12.6801, 0.2763, 0.1296**, and the grayscale version is **22.7621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7589, 0.3162, 0.5406**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.5626, 0.3053, 0.5958**, and if you desaturate by 10%, it is **43.9913, 0.3086, 0.5856**.

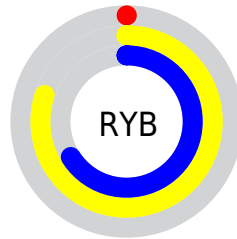
Distribution



Red (14%)

Green (80%)

Blue (0%)



Red (0%)

Yellow (80%)

Blue (66%)

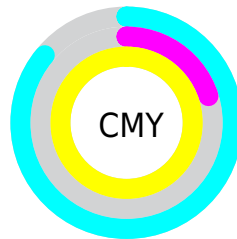


Cyan (82%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (86%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.5608, 0.3053, 0.5958 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 43.5608, 0.3053, 0.5958 by changing the saturation by 10% instead.

 43.5608, 0.3053,
0.5958


 43.5608, 0.3053,
0.5958

360.9130, 0.3222,
0.4528


 30.3254, 0.2957,
0.6310


 80.5564, 0.3153,
0.5433


 20.0857, 0.2802,
0.6739

 105.0855, 0.3179,
0.5236


 12.4573, 0.2581,
0.7350


 134.1478, 0.3196,
0.5070

 7.0560, 0.2135,
0.7865

 168.1278, 0.3207,
0.4928

 3.4971, 0.1435,
0.8565

 207.4100, 0.3214,
0.4807

 1.3964, 0.0000,
1.0000

 252.3786, 0.3218,

 0.2141, 0.0000,

0.4702

1.0000

303.4182, 0.3221,
0.4609

■ 0.0000, 0.0000,
0.0000

■ 43.5608, 0.3053,
0.5958

■ 43.5608, 0.3053,
0.5958

■ 43.5626, 0.3053,
0.5958

■ 43.9913, 0.3086,
0.5856

■ 44.6340, 0.3119,
0.5684

■ 45.5248, 0.3145,
0.5440

■ 46.6869, 0.3163,
0.5141

■ 48.1408, 0.3172,
0.4811

■ 49.9049, 0.3173,
0.4470

■ 51.9962, 0.3167,
0.4139

■ 54.4302, 0.3157,
0.3828

■ 57.2216, 0.3143,
0.3544

Harmonies

Analogous

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



43.5608, 0.4223, 0.5489



43.5608, 0.3053, 0.5958



43.5608, 0.1956, 0.4963

Triad

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



43.5608, 0.3053, 0.5958



43.5608, 0.1176, 0.1530



43.5608, 0.5363, 0.2858

Complementary

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



43.5608, 0.3053, 0.5958



12.6801, 0.2763, 0.1296

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.



43.5608, 0.4058, 0.2163



43.5608, 0.3053, 0.5958



43.5608, 0.1672, 0.1444

Square

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



43.5608, 0.3053, 0.5958



43.5608, 0.1037, 0.2025



43.5608, 0.2637, 0.1662



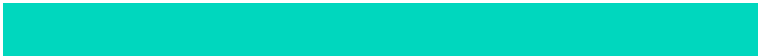
43.5608, 0.5763, 0.3632

Rectangle

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



43.5608, 0.3053, 0.5958



43.5608, 0.1430, 0.3749



43.5608, 0.2637, 0.1662



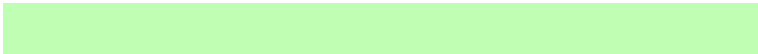
43.5608, 0.4999, 0.2614

Sweetspot

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



43.5626, 0.3053, 0.5958



85.9630, 0.3167, 0.4151



40.3294, 0.4562, 0.4760



18.0705, 0.3170, 0.4291



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.



43.5626, 0.3053, 0.5958



72.0791, 0.3048, 0.5962



43.5638, 0.2880, 0.5566



12.6307, 0.3142, 0.3528



27.4470, 0.3059, 0.5953



1.4459, 0.3182, 0.5855

Inverse Universe

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



12.6801, 0.2763, 0.1296



20.9138, 0.2757, 0.1292



14.7135, 0.4217, 0.2097



11.2996, 0.3110, 0.3060



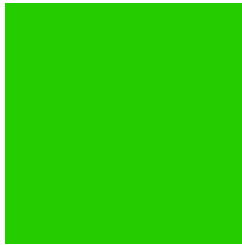
8.0173, 0.2769, 0.1299



0.4406, 0.2860, 0.1349

Previews

White Background



This preview shows how the Yxy color 43.5608, 0.3053, 0.5958 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 43.5608, 0.3053, 0.5958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

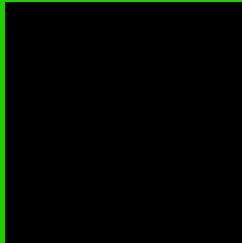
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

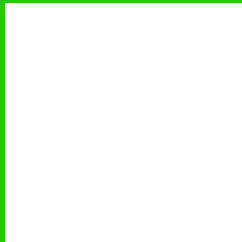
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.5608, 0.3053, 0.5958

Background



This preview shows how black text looks on a background with the Yxy color 43.5608, 0.3053, 0.5958.



This preview shows how white text looks on a background with the Yxy color 43.5608, 0.3053, 0.5958.

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

43.5608, 0.3053, 0.5958

Protanopia

42.5303, 0.4405, 0.4884

Deuteranopia

42.6699, 0.4610, 0.4511



Tritanopia

43.4588, 0.2384, 0.3070

Trichromacy



Original Color

43.5608, 0.3053, 0.5958



Protanomaly

40.5211, 0.3743, 0.5410



Deuteranomaly

39.4987, 0.3887, 0.5175



Tritanomaly

41.9815, 0.2724, 0.4374

Monochromacy



Original Color

43.5608, 0.3053, 0.5958



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

27.5650, 0.3171, 0.4696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5608, 0.3053, 0.5958 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(36, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(36, 204, 0)  
}
```

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(36, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 43.5608, 0.3053, 0.5958 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(36, 204, 0) }
```

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

```
.border{ border-color:rgb(36, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(36, 204, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 43.5608, 0.3053, 0.5958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 204, 0) }
```

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

```
.background{ background-color: rgb(36, 204,  
0) }
```

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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