

Converting Colors

$Y_{xy}(43.1265, 0.3050, 0.5919)$

Have a look what the booklet for
Yxy(43.1265, 0.3050, 0.5919)
contains.

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Color

Yxy(43.1505, 0.3049, 0.5921)

Conversions

Conversions Part 1

Format	Color
Hex	26CB0C
RGB	38, 203, 12
RGB Percent	15%, 80%, 5%
CMY	0.8512, 0.2039, 0.9528
CMYK	0.81, 0.00, 0.94, 0.20
HSL	112°, 89%, 42%
HSV	112°, 94%, 80%
XYZ	22.2202, 43.1505, 7.5063
YIQ	131.8910, -37.0290, -94.3810

Conversions

Conversions Part 2

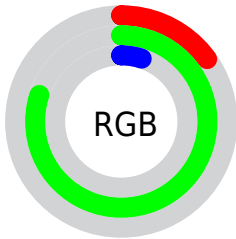
Format	Color
R _Y B	12, 203, 177
Decimal	2542348
CIE Lab	71.66, -69.82, 69.13
CIE LCh	72, 98.248, 135.285
Yxy	43.1505, 0.3049, 0.5921
Android (android.graphics.Color)	4280732428 (0xFF26CB0C)
YUV	131.8910, -59.1063, -82.3424
Hunter-Lab	65.6890, -54.5758, 39.2072

Details

The Yxy color **43.1505, 0.3049, 0.5921** 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 **13.9357, 0.2888, 0.1384**, and the grayscale version is **23.2570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8889, 0.3155, 0.5368**, and **20.8674, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **42.9550, 0.3034, 0.5973**, and if you desaturate by 10%, it is **43.6470, 0.3078, 0.5784**.

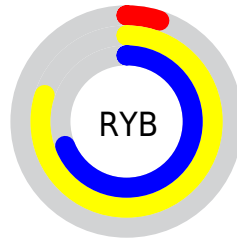
Distribution



Red (15%)

Green (80%)

Blue (5%)



Red (5%)

Yellow (80%)

Blue (69%)

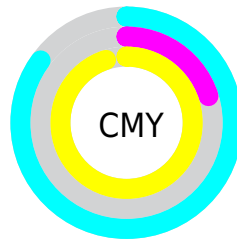


Cyan (81%)

Magenta (0%)

Yellow (94%)

Black (20%)



Cyan (85%)


Magenta (20%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1505, 0.3049, 0.5921 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 43.1505, 0.3049, 0.5921 by changing the saturation by 10% instead.


 43.1505, 0.3049,
0.5921


 43.1505, 0.3049,
0.5921


359.2303, 0.3215,
0.4507

 30.0032, 0.2955,
0.6272


 79.9379, 0.3147,
0.5400


 19.8410, 0.2803,
0.6703


 104.3468, 0.3172,
0.5204

 12.2795, 0.2582,
0.7306


 133.2784, 0.3189,
0.5040

 6.9344, 0.2147,
0.7853

 167.1171, 0.3200,
0.4901

 3.4211, 0.1438,
0.8562

 206.2472, 0.3207,
0.4781

 1.3553, 0.0000,
1.0000


 251.0532, 0.3211,


 0.1834, 0.0000,


0.4677


1.0000


301.9195, 0.3214,
0.4586

 0.0000, 0.0000,
0.0000


 43.1505, 0.3049,
0.5921

 43.1505, 0.3049,
0.5921


 42.9550, 0.3034,
0.5973

 43.6470, 0.3078,
0.5784

 44.3864, 0.3104,
0.5568

 45.3981, 0.3125,
0.5287

 46.7058, 0.3139,
0.4962

 48.3306, 0.3147,
0.4619

■ 50.2916, 0.3149,
0.4278

■ 52.6064, 0.3146,
0.3954

■ 55.2913, 0.3140,
0.3657

■ 58.3617, 0.3131,
0.3390

Harmonies

Analogous

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



43.1505, 0.4210, 0.5481



43.1505, 0.3049, 0.5921



43.1505, 0.1961, 0.4921

Triad

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



43.1505, 0.3049, 0.5921



43.1505, 0.1195, 0.1543



43.1505, 0.5346, 0.2874

Complementary

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



43.1505, 0.3049, 0.5921



13.9357, 0.2888, 0.1384

Split Complementary

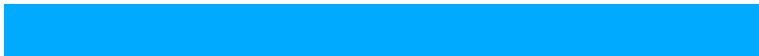
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.1505, 0.4063, 0.2181



43.1505, 0.3049, 0.5921



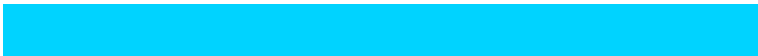
43.1505, 0.1693, 0.1460

Square

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



43.1505, 0.3049, 0.5921



43.1505, 0.1054, 0.2032



43.1505, 0.2656, 0.1680



43.1505, 0.5736, 0.3646

Rectangle

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



43.1505, 0.3049, 0.5921



43.1505, 0.1442, 0.3727



43.1505, 0.2656, 0.1680



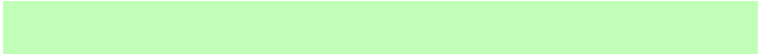
43.1505, 0.4989, 0.2631

Sweetspot

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



43.1523, 0.3049, 0.5921



86.3387, 0.3148, 0.4091



43.1360, 0.4453, 0.4814



18.1258, 0.3149, 0.4234



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.



43.1523, 0.3049, 0.5921



71.8701, 0.3030, 0.5976



43.3559, 0.2836, 0.5365



12.6087, 0.3136, 0.3528



27.3577, 0.3040, 0.5969



1.4357, 0.3141, 0.5888

Inverse Universe

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



13.9357, 0.2888, 0.1384



22.5006, 0.2862, 0.1350



14.7438, 0.4258, 0.2148



11.3236, 0.3116, 0.3060



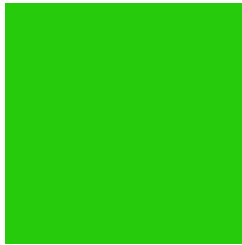
8.6078, 0.2872, 0.1356



0.4659, 0.2942, 0.1394

Previews

White Background



This preview shows how the Yxy color 43.1505, 0.3049, 0.5921 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 43.1505, 0.3049, 0.5921 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 43.1505, 0.3049, 0.5921

Background



This preview shows how black text looks on a background with the Yxy color 43.1505, 0.3049, 0.5921.



This preview shows how white text looks on a background with the Yxy color 43.1505, 0.3049, 0.5921.

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

43.1505, 0.3049, 0.5921

Protanopia

42.0079, 0.4406, 0.4884

Deuteranopia

42.1598, 0.4607, 0.4502



Tritanopia

42.9790, 0.2386, 0.3069

Trichromacy



Original Color

43.1505, 0.3049, 0.5921



Protanomaly

40.1957, 0.3755, 0.5387



Deuteranomaly

39.1223, 0.3881, 0.5142



Tritanomaly

41.6825, 0.2703, 0.4290

Monochromacy



Original Color

43.1505, 0.3049, 0.5921



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

27.7550, 0.3152, 0.4598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1505, 0.3049, 0.5921 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(38, 203, 12)` looks like.

```
.text, #text, p{  
    color:rgb(38, 203, 12)  
}
```

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(38, 203, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 203, 12) }
```

Border

The CSS property to change the border of an element to Yxy 43.1505, 0.3049, 0.5921 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(38, 203, 12) }
```

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

```
.border{ border-color:rgb(38, 203, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 203, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 203, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 203, 12);  
box-shadow:4px 4px 4px 4px rgb(38, 203,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1505, 0.3049, 0.5921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 203, 12) }
```

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

```
.background{ background-color: rgb(38, 203,  
12) }
```

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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