

Converting Colors

$Y_{xy}(43.3941, 0.3030, 0.5977)$

Have a look what the booklet for
Yxy(43.3941, 0.3030, 0.5977)
contains.

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Color

Yxy(43.3924, 0.3029, 0.5977)

Conversions

Conversions Part 1

Format	Color
Hex	19CC00
RGB	25, 204, 0
RGB Percent	10%, 80%, 0%
CMY	0.9027, 0.2000, 0.9999
CMYK	0.88, 0.00, 1.00, 0.20
HSL	113°, 100%, 40%
HSV	113°, 100%, 80%
XYZ	21.9902, 43.3924, 7.2163
YIQ	127.2230, -41.2000, -101.3920

Conversions

Conversions Part 2

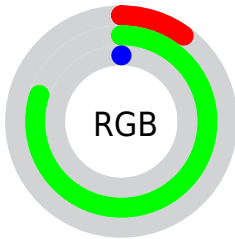
Format	Color
RYB	0, 204, 179
Decimal	1690624
CIELab	71.82, -71.59, 70.48
CIELCh	72, 100.458, 135.448
Yxy	43.3924, 0.3029, 0.5977
Android (android.graphics.Color)	4279880704 (0xFF19CC00)
YUV	127.2230, -62.7209, -89.6496
Hunter-Lab	65.8729, -55.6893, 39.6159

Details

The Yxy color **43.3924, 0.3029, 0.5977** 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 **13.9700, 0.2902, 0.1373**, and the grayscale version is **21.5165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4936, 0.3143, 0.5418**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.3940, 0.3029, 0.5977**, and if you desaturate by 10%, it is **43.7497, 0.3053, 0.5881**.

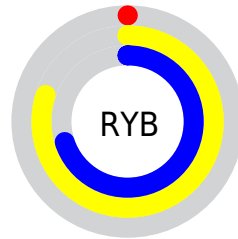
Distribution



Red (10%)

Green (80%)

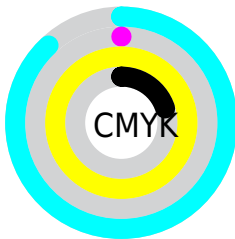
Blue (0%)



Red (0%)

Yellow (80%)

Blue (70%)

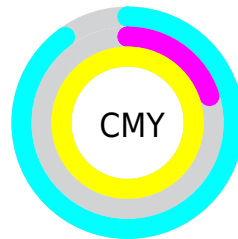


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (90%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.3924, 0.3029, 0.5977 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 43.3924, 0.3029, 0.5977 by changing the saturation by 10% instead.


 43.3924, 0.3029,
0.5977


 43.3924, 0.3029,
0.5977

360.2230, 0.3211,
0.4534

 30.1931, 0.2929,
0.6333


 80.3027, 0.3134,
0.5447

 19.9852, 0.2770,
0.6768


 104.7825, 0.3162,
0.5247


 12.3843, 0.2543,
0.7389


 133.7912, 0.3180,
0.5080

 7.0060, 0.2090,
0.7910

 167.7133, 0.3192,
0.4937

 3.4658, 0.1366,
0.8634

 206.9331, 0.3200,
0.4815

 1.3795, 0.0000,
1.0000

 251.8351, 0.3206,

 0.2015, 0.0000,

0.4708

1.0000

302.8036, 0.3209,
0.4616

■ 0.0000, 0.0000,
0.0000

■ 43.3924, 0.3029,
0.5977

■ 43.3924, 0.3029,
0.5977

■ 43.3940, 0.3029,
0.5977

■ 43.7497, 0.3053,
0.5881

■ 44.3298, 0.3079,
0.5712

■ 45.1732, 0.3102,
0.5468

■ 46.3070, 0.3121,
0.5165

■ 47.7550, 0.3133,
0.4828

■ 49.5383, 0.3140,
0.4482

■ 51.6763, 0.3142,
0.4145

■ 54.1868, 0.3139,
0.3830

■ 57.0866, 0.3134,
0.3544

Harmonies

Analogous

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



43.3924, 0.4206, 0.5513



43.3924, 0.3029, 0.5977



43.3924, 0.1931, 0.4950

Triad

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



43.3924, 0.3029, 0.5977



43.3924, 0.1172, 0.1516



43.3924, 0.5394, 0.2865

Complementary

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



43.3924, 0.3029, 0.5977



13.9700, 0.2902, 0.1373

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.



43.3924, 0.4088, 0.2166



43.3924, 0.3029, 0.5977



43.3924, 0.1675, 0.1436

Square

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



43.3924, 0.3029, 0.5977



43.3924, 0.1026, 0.2004



43.3924, 0.2653, 0.1660



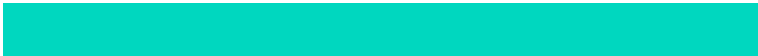
43.3924, 0.5777, 0.3642

Rectangle

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



43.3924, 0.3029, 0.5977



43.3924, 0.1409, 0.3722



43.3924, 0.2653, 0.1660



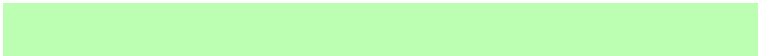
43.3924, 0.5032, 0.2620

Sweetspot

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



43.3942, 0.3029, 0.5977



85.4201, 0.3142, 0.4158



44.2078, 0.4451, 0.4848



17.9462, 0.3141, 0.4300



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.



43.3942, 0.3029, 0.5977



71.8112, 0.3025, 0.5980



43.6955, 0.2843, 0.5434



12.6012, 0.3134, 0.3528



27.3319, 0.3034, 0.5973



1.4323, 0.3127, 0.5899

Inverse Universe

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



13.9700, 0.2902, 0.1373



23.0687, 0.2898, 0.1370



14.4296, 0.4415, 0.2206



11.3319, 0.3119, 0.3060



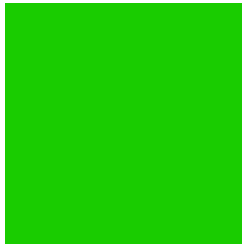
8.8189, 0.2907, 0.1375



0.4749, 0.2970, 0.1410

Previews

White Background



This preview shows how the Yxy color 43.3924, 0.3029, 0.5977 looks on a white background.

Color Contrast Check

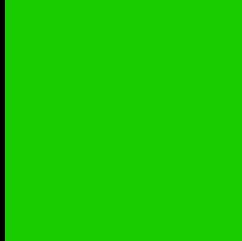
Large Text (above 18pt) WCAG AA × Fail

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 43.3924, 0.3029, 0.5977 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 43.3924, 0.3029, 0.5977

Background



This preview shows how black text looks on a background with the Yxy color 43.3924, 0.3029, 0.5977.



This preview shows how white text looks on a background with the Yxy color 43.3924, 0.3029, 0.5977.

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

43.3924, 0.3029, 0.5977

Protanopia

42.5303, 0.4405, 0.4884

Deuteranopia

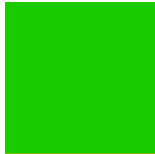
42.5144, 0.4601, 0.4517



Tritanopia

43.3094, 0.2371, 0.3069

Trichromacy



Original Color

43.3924, 0.3029, 0.5977



Protanomaly

40.1861, 0.3707, 0.5439



Deuteranomaly

39.0223, 0.3839, 0.5211



Tritanomaly

41.7657, 0.2699, 0.4382

Monochromacy



Original Color

43.3924, 0.3029, 0.5977



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

26.2104, 0.3136, 0.4718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.3924, 0.3029, 0.5977 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(25, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(25, 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(25, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 43.3924, 0.3029, 0.5977 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(25, 204, 0) }
```

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

```
.border{ border-color:rgb(25, 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(25, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(25, 204, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 43.3924, 0.3029, 0.5977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 204, 0) }
```

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

```
.background{ background-color: rgb(25, 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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