

Converting Colors

$Y_{xy}(49.1733, 0.2995, 0.5983)$

Have a look what the booklet for
Yxy(49.1733, 0.2995, 0.5983)
contains.

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Color

$\text{Yxy}(49.1271, 0.2995, 0.5983)$

Conversions

Conversions Part 1

Format	Color
Hex	00D807
RGB	0, 216, 7
RGB Percent	0%, 85%, 3%
CMY	1.0000, 0.1529, 0.9718
CMYK	1.00, 0.00, 0.97, 0.15
HSL	122°, 100%, 42%
HSV	122°, 100%, 85%
XYZ	24.5923, 49.1271, 8.3918
YIQ	127.5900, -61.6470, -110.7910

Conversions

Conversions Part 2

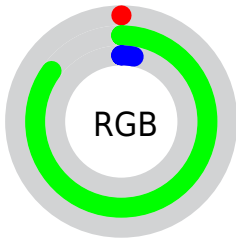
Format	Color
RYB	0, 209, 216
Decimal	55303
CIELab	75.53, -75.92, 72.70
CIElCh	76, 105.113, 136.242
Yxy	49.1271, 0.2995, 0.5983
Android (android.graphics.Color)	4278245383 (0xFF00D807)
YUV	127.5900, -59.4509, -111.8964
Hunter-Lab	70.0907, -60.0296, 41.9649

Details

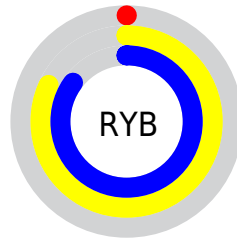
The Yxy color **49.1271, 0.2995, 0.5983** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **19.1948, 0.3295, 0.1589**, and the grayscale version is **21.6715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4431, 0.3119, 0.5379**, and **24.7963, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **49.1310, 0.2995, 0.5983**, and if you desaturate by 10%, it is **49.3654, 0.2995, 0.5893**.

Distribution



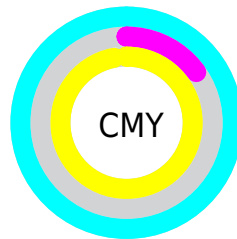
- Red (0%)
- Green (85%)
- Blue (3%)



- Red (0%)
- Yellow (82%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1271, 0.2995, 0.5983 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 49.1271, 0.2995, 0.5983 by changing the saturation by 10% instead.

 49.1271, 0.2995,
0.5983


 49.1271, 0.2995,
0.5983


383.2425, 0.3192,
0.4561


 34.7203, 0.2898,
0.6327


 88.8802, 0.3102,
0.5466

 23.4475, 0.2746,
0.6746


 114.9953, 0.3132,
0.5270

 14.9243, 0.2518,
0.7284


 145.7820, 0.3152,
0.5105

 8.7663, 0.2132,
0.7868

 181.6246, 0.3166,
0.4963

 4.5890, 0.1536,
0.8464

 222.9075, 0.3176,
0.4842

 2.0082, 0.0000,
1.0000

 270.0152, 0.3183,

 0.6122, 0.0000,

0.4736

1.0000

323.3321, 0.3188,
0.4643

■ 0.0000, 0.0000,
0.0000

■ 49.1271, 0.2995,
0.5983

■ 49.1271, 0.2995,
0.5983

■ 49.1310, 0.2995,
0.5983

■ 49.3654, 0.2995,
0.5893

■ 49.8545, 0.2998,
0.5723

■ 50.6723, 0.3006,
0.5474

■ 51.8632, 0.3018,
0.5165

■ 53.4644, 0.3035,
0.4822

■ 55.5088, 0.3053,
0.4472

■ 58.0259, 0.3073,
0.4133

■ 61.0427, 0.3092,
0.3820

■ 64.5841, 0.3110,
0.3538

Harmonies

Analogous

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



49.1271, 0.4175, 0.5542



49.1271, 0.2995, 0.5983



49.1271, 0.1901, 0.4911

Triad

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



49.1271, 0.2995, 0.5983



49.1271, 0.1175, 0.1505



49.1271, 0.5426, 0.2883

Complementary

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



49.1271, 0.2995, 0.5983



19.1948, 0.3295, 0.1589

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.



49.1271, 0.4132, 0.2179



49.1271, 0.2995, 0.5983



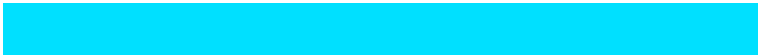
49.1271, 0.1690, 0.1433

Square

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



49.1271, 0.2995, 0.5983



49.1271, 0.1021, 0.1979



49.1271, 0.2684, 0.1665



49.1271, 0.5781, 0.3662

Rectangle

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



49.1271, 0.2995, 0.5983



49.1271, 0.1388, 0.3676



49.1271, 0.2684, 0.1665



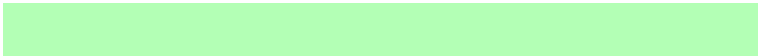
49.1271, 0.5072, 0.2637

Sweetspot

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



49.1310, 0.2995, 0.5983



84.3822, 0.3072, 0.4143



63.1728, 0.4164, 0.5076



17.7107, 0.3064, 0.4285



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.



49.1310, 0.2995, 0.5983



71.5386, 0.2996, 0.5986



50.2763, 0.2713, 0.4968



13.9026, 0.3111, 0.3523



29.0816, 0.2994, 0.5977



1.7565, 0.2973, 0.5904

Inverse Universe

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



19.1948, 0.3295, 0.1589



27.9460, 0.3296, 0.1589



15.6077, 0.5053, 0.2557



12.6252, 0.3143, 0.3068



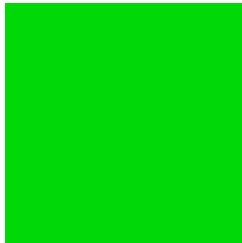
11.3639, 0.3293, 0.1588



0.6877, 0.3278, 0.1579

Previews

White Background



This preview shows how the Yxy color 49.1271, 0.2995, 0.5983 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 49.1271, 0.2995, 0.5983 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

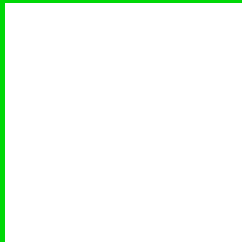
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1271, 0.2995, 0.5983

Background



This preview shows how black text looks on a background with the Yxy color 49.1271, 0.2995, 0.5983.



This preview shows how white text looks on a background with the Yxy color 49.1271, 0.2995, 0.5983.

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

49.1271, 0.2995, 0.5983

Protanopia

48.1078, 0.4404, 0.4886

Deuteranopia

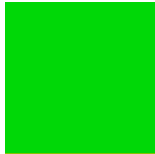
48.0210, 0.4612, 0.4509



Tritanopia

49.0072, 0.2360, 0.3066

Trichromacy



Original Color

49.1271, 0.2995, 0.5983



Protanomaly

44.3920, 0.3624, 0.5496



Deuteranomaly

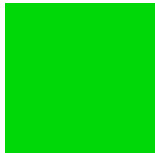
43.2326, 0.3755, 0.5254



Tritanomaly

46.9652, 0.2642, 0.4335

Monochromacy



Original Color

49.1271, 0.2995, 0.5983



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

27.5310, 0.3035, 0.4757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1271, 0.2995, 0.5983 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, 216, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 7)  
}
```

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, 216, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 7) }
```

Border

The CSS property to change the border of an element to Yxy 49.1271, 0.2995, 0.5983 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, 216, 7) }
```

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

```
.border{ border-color:rgb(0, 216, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 216, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 216, 7); box-shadow:4px  
4px 4px 4px rgb(0, 216, 7) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1271, 0.2995, 0.5983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 7) }
```

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

```
.background{ background-color: rgb(0, 216,  
7) }
```

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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