

Converting Colors

$Y_{xy}(44.5665, 0.3022, 0.5983)$

Have a look what the booklet for
Yxy(44.5665, 0.3022, 0.5983)
contains.

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Color

Yxy(44.7851, 0.3022, 0.5983)

Conversions

Conversions Part 1

Format	Color
Hex	15CF00
RGB	21, 207, 0
RGB Percent	8%, 81%, 0%
CMY	0.9178, 0.1882, 1.0000
CMYK	0.90, 0.00, 1.00, 0.19
HSL	114°, 100%, 41%
HSV	114°, 100%, 81%
XYZ	22.6209, 44.7851, 7.4480
YIQ	127.7880, -44.4090, -103.8090

Conversions

Conversions Part 2

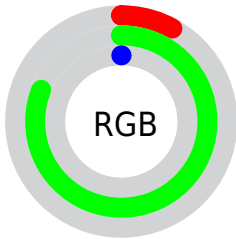
Format	Color
RYB	0, 207, 186
Decimal	1429248
CIELab	72.75, -72.69, 71.22
CIELCh	73, 101.766, 135.583
Yxy	44.7851, 0.3022, 0.5983
Android (android.graphics.Color)	4279619328 (0xFF15CF00)
YUV	127.7880, -62.9995, -93.6531
Hunter-Lab	66.9217, -56.7764, 40.2466

Details

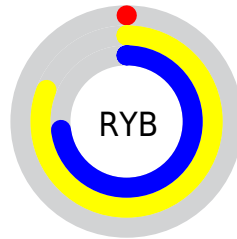
The Yxy color **44.7851, 0.3022, 0.5983** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **14.9498, 0.2954, 0.1401**, and the grayscale version is **21.7402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5087, 0.3140, 0.5409**, and **22.1332, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.7872, 0.3022, 0.5983**, and if you desaturate by 10%, it is **45.1237, 0.3042, 0.5890**.

Distribution



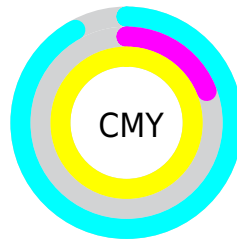
- Red (8%)
- Green (81%)
- Blue (0%)



- Red (0%)
- Yellow (81%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (100%)
- Black (19%)





- Cyan (92%)
- Magenta (19%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7851, 0.3022, 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 44.7851, 0.3022, 0.5983 by changing the saturation by 10% instead.

 44.7851, 0.3022,
0.5983

 44.7851, 0.3022,
0.5983


365.9025, 0.3208,
0.4543


 31.2882, 0.2923,
0.6336


 82.3978, 0.3128,
0.5456

 20.8184, 0.2765,
0.6767

 107.2825, 0.3156,
0.5257


 12.9913, 0.2537,
0.7365


 136.7318, 0.3175,
0.5089


 7.4226, 0.2101,
0.7899

 171.1302, 0.3187,
0.4947

 3.7277, 0.1425,
0.8575

 210.8620, 0.3196,
0.4824

 1.5225, 0.0000,
1.0000

 256.3118, 0.3202,

 0.3045, 0.0000,

0.4718

1.0000

307.8638, 0.3206,
0.4625

■ 0.0000, 0.0000,
0.0000

■ 44.7851, 0.3022,
0.5983

■ 44.7851, 0.3022,
0.5983

■ 44.7872, 0.3022,
0.5983

■ 45.1237, 0.3042,
0.5890

■ 45.6958, 0.3066,
0.5724

■ 46.5456, 0.3088,
0.5479

■ 47.7029, 0.3106,
0.5175

■ 49.1939, 0.3119,
0.4837

■ 51.0417, 0.3128,
0.4488

■ 53.2673, 0.3132,
0.4149

■ 55.8903, 0.3133,
0.3832

■ 58.9287, 0.3131,
0.3545

Harmonies

Analogous

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



44.7851, 0.4201, 0.5520



44.7851, 0.3022, 0.5983



44.7851, 0.1924, 0.4947

Triad

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



44.7851, 0.3022, 0.5983



44.7851, 0.1170, 0.1512



44.7851, 0.5403, 0.2867

Complementary

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



44.7851, 0.3022, 0.5983



14.9498, 0.2954, 0.1401

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.



44.7851, 0.4097, 0.2167



44.7851, 0.3022, 0.5983



44.7851, 0.1676, 0.1433

Square

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



44.7851, 0.3022, 0.5983



44.7851, 0.1023, 0.1997



44.7851, 0.2657, 0.1659



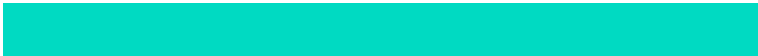
44.7851, 0.5781, 0.3644

Rectangle

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



44.7851, 0.3022, 0.5983



44.7851, 0.1403, 0.3715



44.7851, 0.2657, 0.1659



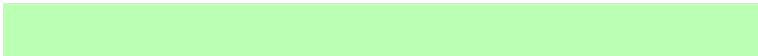
44.7851, 0.5042, 0.2622

Sweetspot

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



44.7872, 0.3022, 0.5983



85.2245, 0.3132, 0.4161



47.0732, 0.4416, 0.4876



17.9016, 0.3131, 0.4304



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.



44.7872, 0.3022, 0.5983



71.7373, 0.3019, 0.5985



45.1979, 0.2830, 0.5389



13.2627, 0.3131, 0.3529



28.2357, 0.3026, 0.5979



1.5987, 0.3102, 0.5919

Inverse Universe

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



14.9498, 0.2954, 0.1401



23.9074, 0.2950, 0.1399



14.8156, 0.4484, 0.2244



11.9457, 0.3122, 0.3060



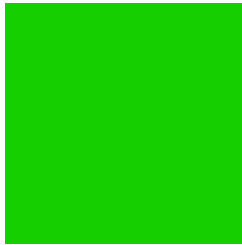
9.4423, 0.2957, 0.1403



0.5459, 0.3006, 0.1430

Previews

White Background



This preview shows how the Yxy color 44.7851, 0.3022, 0.5983 looks on a white background.

Color Contrast Check

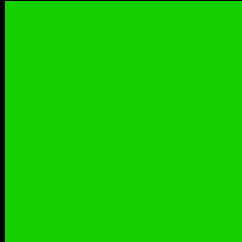
Large Text (above 18pt) WCAG AA × Fail

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 44.7851, 0.3022, 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 44.7851, 0.3022, 0.5983

Background



This preview shows how black text looks on a background with the Yxy color 44.7851, 0.3022, 0.5983.



This preview shows how white text looks on a background with the Yxy color 44.7851, 0.3022, 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

44.7851, 0.3022, 0.5983

Protanopia

43.7236, 0.4412, 0.4879

Deuteranopia

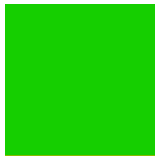
43.7243, 0.4603, 0.4512



Tritanopia

44.3772, 0.2367, 0.3057

Trichromacy



Original Color

44.7851, 0.3022, 0.5983



Protanomaly

41.1173, 0.3703, 0.5442



Deuteranomaly

39.9342, 0.3831, 0.5213



Tritanomaly

42.6884, 0.2689, 0.4373

Monochromacy



Original Color

44.7851, 0.3022, 0.5983



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

26.8319, 0.3125, 0.4747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7851, 0.3022, 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(21, 207, 0)` looks like.

```
.text, #text, p{  
    color:rgb(21, 207, 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(21, 207, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 207, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.7851, 0.3022, 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(21, 207, 0) }
```

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

```
.border{ border-color:rgb(21, 207, 0) }
```

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

Here you see how a box with a 4 pixel rgb(21, 207, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 207, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 207, 0);  
box-shadow:4px 4px 4px 4px rgb(21, 207, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 44.7851, 0.3022, 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(21, 207, 0) }
```

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

```
.background{ background-color: rgb(21, 207,  
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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