

Converting Colors

$Y_{xy}(44.6830, 0.3202, 0.5840)$

Have a look what the booklet for
Yxy(44.6830, 0.3202, 0.5840)
contains.

Yxy(44.6816, 0.3201, 0.5840)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.6816, 0.3201, 0.5840)

Conversions

Conversions Part 1

Format	Color
Hex	4BCC00
RGB	75, 204, 0
RGB Percent	29%, 80%, 0%
CMY	0.7062, 0.2000, 0.9994
CMYK	0.63, 0.00, 1.00, 0.20
HSL	98°, 100%, 40%
HSV	98°, 100%, 80%
XYZ	24.4907, 44.6816, 7.3373
YIQ	142.1730, -11.4000, -90.7920

Conversions

Conversions Part 2

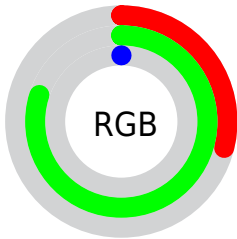
Format	Color
RYB	0, 204, 129
Decimal	4967424
CIELab	72.68, -64.08, 71.51
CIELCh	73, 96.022, 131.862
Yxy	44.6816, 0.3201, 0.5840
Android (android.graphics.Color)	4283157504 (0xFF4BCC00)
YUV	142.1730, -70.0913, -58.9107
Hunter-Lab	66.8443, -51.5779, 40.2829

Details

The Yxy color **44.6816, 0.3201, 0.5840** 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 **9.0490, 0.2301, 0.1042**, and the grayscale version is **27.4089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6182, 0.3283, 0.5317**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.6793, 0.3201, 0.5841**, and if you desaturate by 10%, it is **45.3099, 0.3253, 0.5727**.

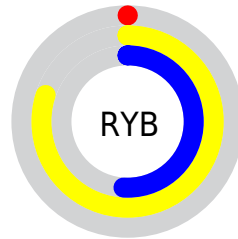
Distribution



Red (29%)

Green (80%)

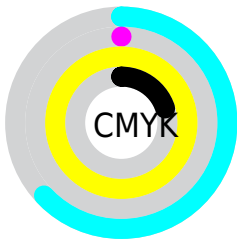
Blue (0%)



Red (0%)

Yellow (80%)

Blue (51%)

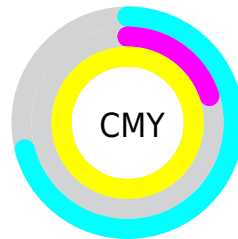


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (71%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6816, 0.3201, 0.5840 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 44.6816, 0.3201, 0.5840 by changing the saturation by 10% instead.


 44.6816, 0.3201,
0.5840

 44.6816, 0.3201,
0.5840

365.4825, 0.3291,
0.4494

 31.2067, 0.3126,
0.6164


 82.2424, 0.3271,
0.5351

 20.7563, 0.2998,
0.6558


 107.0971, 0.3286,
0.5166


 12.9460, 0.2812,
0.7108


 136.5139, 0.3294,
0.5009

 7.3914, 0.2416,
0.7584

 170.8771, 0.3297,
0.4875

 3.7080, 0.1815,
0.8185

 210.5712, 0.3298,
0.4759

 1.5116, 0.0000,
1.0000


 255.9805, 0.3297,


 0.2969, 0.0000,


0.4659


1.0000


307.4895, 0.3294,
0.4571


 0.0000, 0.0000,
0.0000


 44.6816, 0.3201,
0.5840


 44.6816, 0.3201,
0.5840


 44.6793, 0.3201,
0.5841

 45.3099, 0.3253,
0.5727

 46.1030, 0.3294,
0.5555

 47.0870, 0.3318,
0.5324

 48.2769, 0.3325,
0.5047

 49.6861, 0.3315,
0.4741

■ 51.3266, 0.3291,
0.4425

■ 53.2093, 0.3257,
0.4113

■ 55.3444, 0.3217,
0.3816

■ 57.7416, 0.3173,
0.3540

Harmonies

Analogous

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



44.6816, 0.4328, 0.5339



44.6816, 0.3201, 0.5840



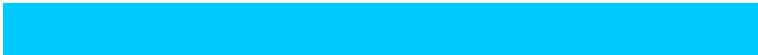
44.6816, 0.2111, 0.5035

Triad

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



44.6816, 0.3201, 0.5840



44.6816, 0.1205, 0.1619



44.6816, 0.5167, 0.2811

Complementary

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



44.6816, 0.3201, 0.5840



9.0490, 0.2301, 0.1042

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.



44.6816, 0.3871, 0.2143



44.6816, 0.3201, 0.5840



44.6816, 0.1653, 0.1495

Square

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



44.6816, 0.3201, 0.5840



44.6816, 0.1105, 0.2163



44.6816, 0.2541, 0.1679



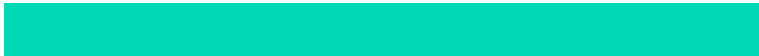
44.6816, 0.5672, 0.3567

Rectangle

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



44.6816, 0.3201, 0.5840



44.6816, 0.1562, 0.3912



44.6816, 0.2541, 0.1679



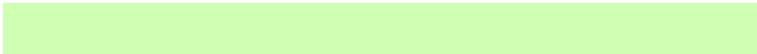
44.6816, 0.4791, 0.2574

Sweetspot

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



44.6835, 0.3201, 0.5840



87.9565, 0.3259, 0.4127



27.7260, 0.5076, 0.4351



18.5323, 0.3274, 0.4260



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.



44.6835, 0.3201, 0.5840



73.8750, 0.3192, 0.5847



43.2570, 0.2978, 0.5919



12.7339, 0.3170, 0.3526



28.1673, 0.3210, 0.5833



1.4959, 0.3368, 0.5708

Inverse Universe

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



9.0490, 0.2301, 0.1042



14.8458, 0.2290, 0.1035



16.1465, 0.3529, 0.1718



11.1901, 0.3080, 0.3057



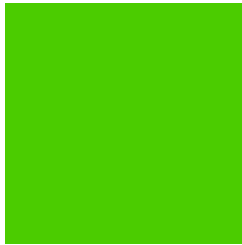
5.7445, 0.2313, 0.1048



0.3385, 0.2490, 0.1145

Previews

White Background



This preview shows how the Yxy color 44.6816, 0.3201, 0.5840 looks on a white background.

Color Contrast Check

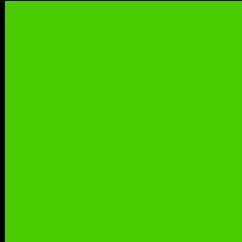
Large Text (above 18pt) WCAG AA × Fail

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 44.6816, 0.3201, 0.5840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

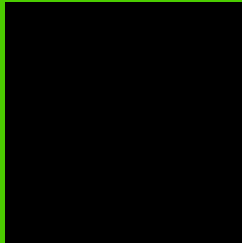
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6816, 0.3201, 0.5840

Background



This preview shows how black text looks on a background with the Yxy color 44.6816, 0.3201, 0.5840.



This preview shows how white text looks on a background with the Yxy color 44.6816, 0.3201, 0.5840.

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

44.6816, 0.3201, 0.5840

Protanopia

43.7236, 0.4412, 0.4879

Deuteranopia

43.8677, 0.4620, 0.4517



Tritanopia

44.5497, 0.2475, 0.3075

Trichromacy



Original Color

44.6816, 0.3201, 0.5840



Protanomaly

42.5092, 0.3894, 0.5290



Deuteranomaly

41.5619, 0.4037, 0.5071



Tritanomaly

43.2103, 0.2852, 0.4318

Monochromacy



Original Color

44.6816, 0.3201, 0.5840



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.5000, 0.3309, 0.4577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6816, 0.3201, 0.5840 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(75, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 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(75, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.6816, 0.3201, 0.5840 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(75, 204, 0) }
```

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

```
.border{ border-color:rgb(75, 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(75, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(75, 204, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 44.6816, 0.3201, 0.5840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 204, 0) }
```

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

```
.background{ background-color: rgb(75, 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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