

Converting Colors

$Y_{xy}(44.1900, 0.3137, 0.5891)$

Have a look what the booklet for
Yxy(44.1900, 0.3137, 0.5891)
contains.

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Color

Yxy(44.1778, 0.3136, 0.5892)

Conversions

Conversions Part 1

Format	Color
Hex	3DCC00
RGB	61, 204, 0
RGB Percent	24%, 80%, 0%
CMY	0.7611, 0.2000, 0.9999
CMYK	0.70, 0.00, 1.00, 0.20
HSL	102°, 100%, 40%
HSV	102°, 100%, 80%
XYZ	23.5135, 44.1778, 7.2880
YIQ	137.9870, -19.7440, -93.7600

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 143
Decimal	4049920
CIELab	72.35, -66.93, 71.12
CIELCh	72, 97.658, 133.261
Yxy	44.1778, 0.3136, 0.5892
Android (android.graphics.Color)	4282240000 (0xFF3DCC00)
YUV	137.9870, -68.0276, -67.5176
Hunter-Lab	66.4664, -53.1690, 40.0254

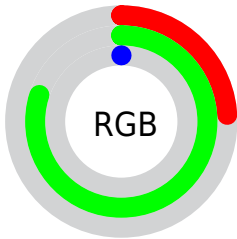
Details

The Yxy color **44.1778, 0.3136, 0.5892** 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 **10.2111, 0.2461, 0.1130**, and the grayscale version is **25.6741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7963, 0.3229, 0.5352**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.1790, 0.3136, 0.5892**, and if you desaturate by 10%, it is **44.7472, 0.3184, 0.5780**.

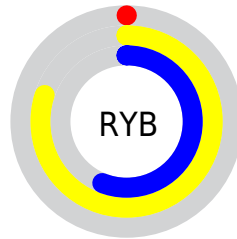
Distribution



Red (24%)

Green (80%)

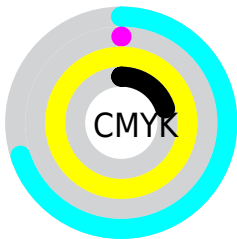
Blue (0%)



Red (0%)

Yellow (80%)

Blue (56%)

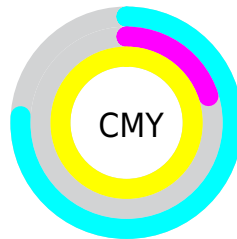


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (76%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1778, 0.3136, 0.5892 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 44.1778, 0.3136, 0.5892 by changing the saturation by 10% instead.


 44.1778, 0.3136,
0.5892


 44.1778, 0.3136,
0.5892

363.4333, 0.3261,
0.4509


 30.8103, 0.3052,
0.6228


 81.4852, 0.3219,
0.5387

 20.4544, 0.2912,
0.6638


 106.1939, 0.3239,
0.5197


 12.7258, 0.2710,
0.7215


 135.4519, 0.3251,
0.5036

 7.2400, 0.2292,
0.7708

 169.6434, 0.3258,
0.4898

 3.6127, 0.1657,
0.8343

 209.1529, 0.3261,
0.4780

 1.4593, 0.0000,
1.0000

 254.3648, 0.3262,

 0.2598, 0.0000,

0.4678

1.0000

305.6635, 0.3262,
0.4588

■ 0.0000, 0.0000,
0.0000

■ 44.1778, 0.3136,
0.5892

■ 44.1778, 0.3136,
0.5892

■ 44.1790, 0.3136,
0.5892

■ 44.7472, 0.3184,
0.5780

■ 45.4997, 0.3224,
0.5607

■ 46.4636, 0.3251,
0.5370

■ 47.6566, 0.3264,
0.5083

■ 49.0938, 0.3262,
0.4768

■ 50.7891, 0.3248,
0.4443

■ 52.7552, 0.3225,
0.4123

■ 55.0040, 0.3195,
0.3821

■ 57.5464, 0.3162,
0.3542

Harmonies

Analogous

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



44.1778, 0.4283, 0.5405



44.1778, 0.3136, 0.5892



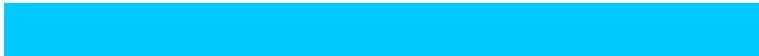
44.1778, 0.2042, 0.5004

Triad

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



44.1778, 0.3136, 0.5892



44.1778, 0.1192, 0.1579



44.1778, 0.5254, 0.2833

Complementary

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



44.1778, 0.3136, 0.5892



10.2111, 0.2461, 0.1130

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.



44.1778, 0.3953, 0.2152



44.1778, 0.3136, 0.5892



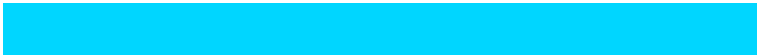
44.1778, 0.1661, 0.1472

Square

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



44.1778, 0.3136, 0.5892



44.1778, 0.1074, 0.2102



44.1778, 0.2583, 0.1672



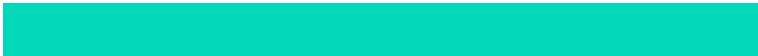
44.1778, 0.5714, 0.3596

Rectangle

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



44.1778, 0.3136, 0.5892



44.1778, 0.1503, 0.3841



44.1778, 0.2583, 0.1672



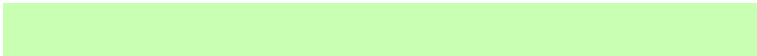
44.1778, 0.4883, 0.2592

Sweetspot

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



44.1797, 0.3136, 0.5892



87.2185, 0.3226, 0.4136



32.4281, 0.4849, 0.4532



18.3604, 0.3236, 0.4271



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.



44.1797, 0.3136, 0.5892



73.0613, 0.3128, 0.5898



43.3492, 0.2947, 0.5808



12.6965, 0.3160, 0.3526



27.8465, 0.3145, 0.5885



1.4763, 0.3298, 0.5763

Inverse Universe

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



10.2111, 0.2461, 0.1130



16.7897, 0.2452, 0.1124



15.4913, 0.3795, 0.1864



11.2291, 0.3091, 0.3058



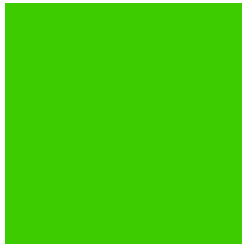
6.4758, 0.2472, 0.1135



0.3723, 0.2621, 0.1217

Previews

White Background



This preview shows how the Yxy color 44.1778, 0.3136, 0.5892 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 44.1778, 0.3136, 0.5892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

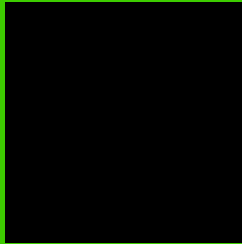
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.1778, 0.3136, 0.5892

Background



This preview shows how black text looks on a background with the Yxy color 44.1778, 0.3136, 0.5892.



This preview shows how white text looks on a background with the Yxy color 44.1778, 0.3136, 0.5892.

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

44.1778, 0.3136, 0.5892

Protanopia

43.1928, 0.4413, 0.4878

Deuteranopia

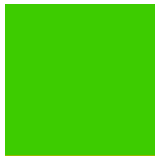
43.1840, 0.4612, 0.4519



Tritanopia

44.0595, 0.2435, 0.3073

Trichromacy



Original Color

44.1778, 0.3136, 0.5892



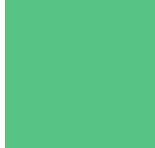
Protanomaly

41.5074, 0.3845, 0.5329



Deuteranomaly

40.5082, 0.3987, 0.5107



Tritanomaly

42.6682, 0.2802, 0.4352

Monochromacy



Original Color

44.1778, 0.3136, 0.5892



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.8602, 0.3255, 0.4604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1778, 0.3136, 0.5892 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(61, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 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(61, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.1778, 0.3136, 0.5892 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(61, 204, 0) }
```

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

```
.border{ border-color:rgb(61, 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(61, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(61, 204, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 44.1778, 0.3136, 0.5892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 204, 0) }
```

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

```
.background{ background-color: rgb(61, 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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