

Converting Colors

$Y_{xy}(44.8391, 0.3047, 0.5910)$

Have a look what the booklet for
Yxy(44.8391, 0.3047, 0.5910)
contains.

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Color

Yxy(44.6114, 0.3046, 0.5909)

Conversions

Conversions Part 1

Format	Color
Hex	27CE10
RGB	39, 206, 16
RGB Percent	15%, 81%, 6%
CMY	0.8478, 0.1921, 0.9371
CMYK	0.81, 0.00, 0.92, 0.19
HSL	113°, 86%, 44%
HSV	113°, 92%, 81%
XYZ	22.9965, 44.6114, 7.8895
YIQ	134.4070, -38.5420, -94.4940

Conversions

Conversions Part 2

Format	Color
RYB	16, 206, 183
Decimal	2608656
CIELab	72.64, -70.49, 69.44
CIELCh	73, 98.946, 135.429
Yxy	44.6114, 0.3046, 0.5909
Android (android.graphics.Color)	4280798736 (0xFF27CE10)
YUV	134.4070, -58.3747, -83.6719
Hunter-Lab	66.7918, -55.4278, 39.7509

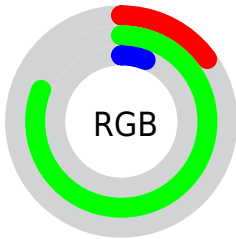
Details

The Yxy color **44.6114, 0.3046, 0.5909** 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 **14.9228, 0.2930, 0.1415**, and the grayscale version is **24.2106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9900, 0.3153, 0.5347**, and **21.8127, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.3510, 0.3028, 0.5978**, and if you desaturate by 10%, it is **45.1476, 0.3072, 0.5759**.

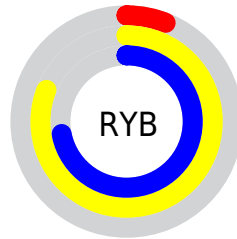
Distribution



Red (15%)

Green (81%)

Blue (6%)



Red (6%)

Yellow (81%)

Blue (72%)

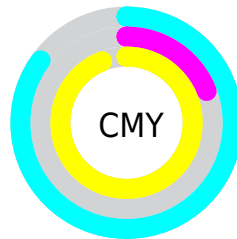


Cyan (81%)

Magenta (0%)

Yellow (92%)

Black (19%)



Cyan (85%)


Magenta (19%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6114, 0.3046, 0.5909 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 44.6114, 0.3046, 0.5909 by changing the saturation by 10% instead.


 44.6114, 0.3046,
0.5909

 44.6114, 0.3046,
0.5909


365.1974, 0.3212,
0.4507

 31.1515, 0.2954,
0.6255


 82.1370, 0.3143,
0.5394

 20.7142, 0.2806,
0.6680


 106.9714, 0.3168,
0.5201


 12.9153, 0.2586,
0.7255

 136.3661, 0.3184,
0.5038

 7.3702, 0.2175,
0.7825

 170.7054, 0.3196,
0.4899

 3.6947, 0.1518,
0.8482

 210.3738, 0.3203,
0.4780

 1.5043, 0.0000,
1.0000


 255.7557, 0.3208,


 0.2917, 0.0000,


0.4677


1.0000


307.2354, 0.3210,
0.4587

 0.0000, 0.0000,
0.0000


 44.6114, 0.3046,
0.5909


 44.6114, 0.3046,
0.5909


 44.3510, 0.3028,
0.5978

 45.1476, 0.3072,
0.5759

 45.9447, 0.3096,
0.5530

 47.0336, 0.3116,
0.5238

 48.4395, 0.3130,
0.4907

 50.1845, 0.3138,
0.4560

■ 52.2891, 0.3141,
0.4220

■ 54.7719, 0.3140,
0.3899

■ 57.6503, 0.3135,
0.3605

■ 60.9405, 0.3129,
0.3344

Harmonies

Analogous

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



44.6114, 0.4204, 0.5479



44.6114, 0.3046, 0.5909



44.6114, 0.1962, 0.4905

Triad

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



44.6114, 0.3046, 0.5909



44.6114, 0.1202, 0.1547



44.6114, 0.5342, 0.2880

Complementary

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



44.6114, 0.3046, 0.5909



14.9228, 0.2930, 0.1415

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.



44.6114, 0.4067, 0.2187



44.6114, 0.3046, 0.5909



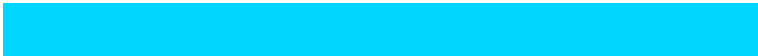
44.6114, 0.1701, 0.1465

Square

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



44.6114, 0.3046, 0.5909



44.6114, 0.1059, 0.2033



44.6114, 0.2664, 0.1687



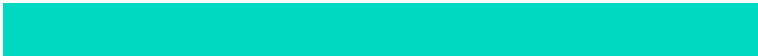
44.6114, 0.5727, 0.3651

Rectangle

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



44.6114, 0.3046, 0.5909



44.6114, 0.1444, 0.3718



44.6114, 0.2664, 0.1687



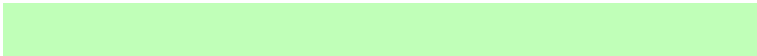
44.6114, 0.4988, 0.2637

Sweetspot

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



44.6133, 0.3046, 0.5909



86.1919, 0.3141, 0.4092



46.0787, 0.4410, 0.4837



18.0919, 0.3141, 0.4236



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.



44.6133, 0.3046, 0.5909



71.8049, 0.3024, 0.5981



44.9253, 0.2817, 0.5284



12.6003, 0.3134, 0.3528



27.3291, 0.3033, 0.5974



1.4319, 0.3126, 0.5900

Inverse Universe

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



14.9228, 0.2930, 0.1415



23.1333, 0.2902, 0.1373



15.2824, 0.4291, 0.2178



11.3328, 0.3119, 0.3060



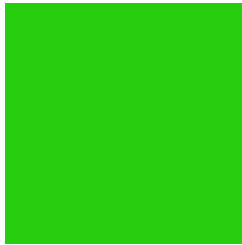
8.8429, 0.2911, 0.1377



0.4759, 0.2973, 0.1411

Previews

White Background



This preview shows how the Yxy color 44.6114, 0.3046, 0.5909 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 44.6114, 0.3046, 0.5909 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 44.6114, 0.3046, 0.5909

Background



This preview shows how black text looks on a background with the Yxy color 44.6114, 0.3046, 0.5909.



This preview shows how white text looks on a background with the Yxy color 44.6114, 0.3046, 0.5909.

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

44.6114, 0.3046, 0.5909

Protanopia

43.5864, 0.4403, 0.4886

Deuteranopia

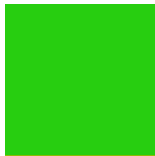
43.7401, 0.4595, 0.4502



Tritanopia

44.5314, 0.2389, 0.3072

Trichromacy



Original Color

44.6114, 0.3046, 0.5909



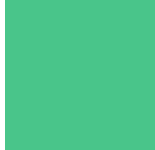
Protanomaly

41.6423, 0.3751, 0.5385



Deuteranomaly

40.5518, 0.3869, 0.5133



Tritanomaly

43.1840, 0.2692, 0.4258

Monochromacy



Original Color

44.6114, 0.3046, 0.5909



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.5496, 0.3135, 0.4566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6114, 0.3046, 0.5909 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(39, 206, 16)` looks like.

```
.text, #text, p{  
    color:rgb(39, 206, 16)  
}
```

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(39, 206, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 206, 16) }
```

Border

The CSS property to change the border of an element to Yxy 44.6114, 0.3046, 0.5909 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(39, 206, 16) }
```

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

```
.border{ border-color:rgb(39, 206, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 206, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 206, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 206, 16);  
box-shadow:4px 4px 4px 4px rgb(39, 206,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6114, 0.3046, 0.5909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 206, 16) }
```

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

```
.background{ background-color: rgb(39, 206,  
16) }
```

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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