

Converting Colors

Yxy(44.8193, 0.3022, 0.5937)

Have a look what the booklet for
Yxy(44.8193, 0.3022, 0.5937)
contains.

Yxy(44.8904, 0.3021, 0.5937)	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(44.8904, 0.3021, 0.5937)

Conversions

Conversions Part 1

Format	Color
Hex	1BCF0E
RGB	27, 207, 14
RGB Percent	11%, 81%, 5%
CMY	0.8946, 0.1882, 0.9448
CMYK	0.87, 0.00, 0.93, 0.19
HSL	116°, 87%, 43%
HSV	116°, 93%, 81%
XYZ	22.8422, 44.8904, 7.8787
YIQ	131.1780, -45.3270, -98.1830

Conversions

Conversions Part 2

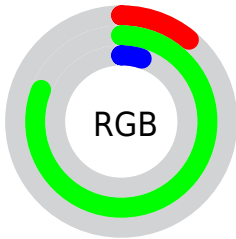
Format	Color
RYB	14, 207, 194
Decimal	1822478
CIELab	72.82, -71.98, 69.80
CIELCh	73, 100.263, 135.883
Yxy	44.8904, 0.3021, 0.5937
Android (android.graphics.Color)	4280012558 (0xFF1BCF0E)
YUV	131.1780, -57.7688, -91.3641
Hunter-Lab	67.0003, -56.3952, 39.9282

Details

The Yxy color **44.8904, 0.3021, 0.5937** 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 **16.3192, 0.3053, 0.1477**, and the grayscale version is **22.9786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6366, 0.3133, 0.5371**, and **22.1332, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.7201, 0.3013, 0.5990**, and if you desaturate by 10%, it is **45.3347, 0.3039, 0.5800**.

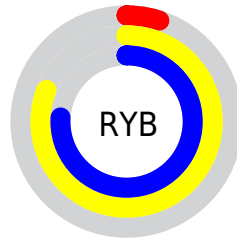
Distribution



Red (11%)

Green (81%)

Blue (5%)



Red (5%)

Yellow (81%)

Blue (76%)

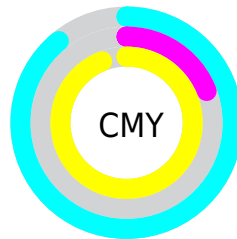


Cyan (87%)

Magenta (0%)

Yellow (93%)

Black (19%)



Cyan (89%)


Magenta (19%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8904, 0.3021, 0.5937 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 44.8904, 0.3021, 0.5937 by changing the saturation by 10% instead.


 44.8904, 0.3021,
0.5937


 44.8904, 0.3021,
0.5937


366.3295, 0.3201,
0.4520

 31.3711, 0.2925,
0.6287


 82.5559, 0.3123,
0.5416

 20.8816, 0.2773,
0.6716


 107.4709, 0.3150,
0.5221


 13.0375, 0.2546,
0.7296


 136.9533, 0.3169,
0.5056

 7.4544, 0.2130,
0.7870

 171.3875, 0.3181,
0.4916

 3.7478, 0.1466,
0.8534

 211.1578, 0.3190,
0.4796

 1.5335, 0.0000,
1.0000

 256.6486, 0.3195,

 0.3122, 0.0000,

0.4692

1.0000

308.2444, 0.3199,
0.4600

■ 0.0000, 0.0000,
0.0000

■ 44.8904, 0.3021,
0.5937

■ 44.8904, 0.3021,
0.5937

■ 44.7201, 0.3013,
0.5990

■ 45.3347, 0.3039,
0.5800

■ 46.0517, 0.3058,
0.5581

■ 47.0784, 0.3076,
0.5292

■ 48.4446, 0.3091,
0.4959

■ 50.1767, 0.3104,
0.4608

■ 52.2985, 0.3114,
0.4260

■ 54.8317, 0.3120,
0.3933

■ 57.7966, 0.3125,
0.3634

■ 61.2117, 0.3127,
0.3368

Harmonies

Analogous

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



44.8904, 0.4188, 0.5508



44.8904, 0.3021, 0.5937



44.8904, 0.1934, 0.4900

Triad

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



44.8904, 0.3021, 0.5937



44.8904, 0.1193, 0.1529



44.8904, 0.5379, 0.2884

Complementary

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



44.8904, 0.3021, 0.5937



16.3192, 0.3053, 0.1477

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.



44.8904, 0.4099, 0.2187



44.8904, 0.3021, 0.5937



44.8904, 0.1700, 0.1453

Square

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



44.8904, 0.3021, 0.5937



44.8904, 0.1044, 0.2009



44.8904, 0.2677, 0.1680



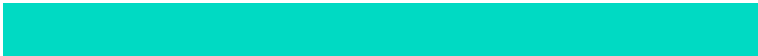
44.8904, 0.5748, 0.3659

Rectangle

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



44.8904, 0.3021, 0.5937



44.8904, 0.1420, 0.3694



44.8904, 0.2677, 0.1680



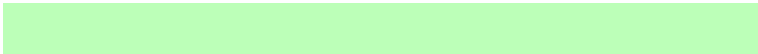
44.8904, 0.5026, 0.2640

Sweetspot

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



44.8923, 0.3021, 0.5937



85.6979, 0.3117, 0.4098



51.9467, 0.4293, 0.4940



17.9781, 0.3114, 0.4244



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.



44.8923, 0.3021, 0.5937



71.6384, 0.3010, 0.5992



45.5989, 0.2766, 0.5108



13.2432, 0.3126, 0.3530



28.1884, 0.3016, 0.5987



1.5895, 0.3067, 0.5947

Inverse Universe

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



16.3192, 0.3053, 0.1477



25.4124, 0.3040, 0.1448



15.0231, 0.4556, 0.2321



11.9675, 0.3127, 0.3060



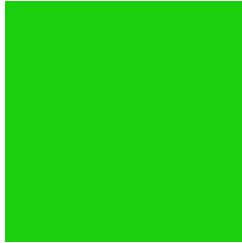
10.0204, 0.3045, 0.1451



0.5726, 0.3077, 0.1468

Previews

White Background



This preview shows how the Yxy color 44.8904, 0.3021, 0.5937 looks on a white background.

Color Contrast Check

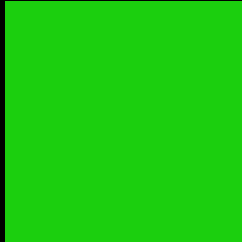
Large Text (above 18pt) WCAG AA × Fail

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 44.8904, 0.3021, 0.5937 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 44.8904, 0.3021, 0.5937

Background



This preview shows how black text looks on a background with the Yxy color 44.8904, 0.3021, 0.5937.



This preview shows how white text looks on a background with the Yxy color 44.8904, 0.3021, 0.5937.

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

44.8904, 0.3021, 0.5937

Protanopia

44.1201, 0.4402, 0.4887

Deuteranopia

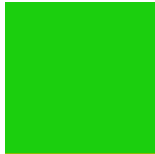
43.7321, 0.4599, 0.4507



Tritanopia

44.4270, 0.2371, 0.3057

Trichromacy



Original Color

44.8904, 0.3021, 0.5937



Protanomaly

41.7245, 0.3709, 0.5422



Deuteranomaly

40.1507, 0.3836, 0.5172



Tritanomaly

42.9319, 0.2672, 0.4282

Monochromacy



Original Color

44.8904, 0.3021, 0.5937



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

27.8280, 0.3106, 0.4629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8904, 0.3021, 0.5937 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(27, 207, 14)` looks like.

```
.text, #text, p{  
    color:rgb(27, 207, 14)  
}
```

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(27, 207, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 207, 14) }
```

Border

The CSS property to change the border of an element to Yxy 44.8904, 0.3021, 0.5937 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(27, 207, 14) }
```

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

```
.border{ border-color:rgb(27, 207, 14) }
```

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

Here you see how a box with a 4 pixel rgb(27, 207, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 207, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 207, 14);  
box-shadow:4px 4px 4px 4px rgb(27, 207,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8904, 0.3021, 0.5937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 207, 14) }
```

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

```
.background{ background-color: rgb(27, 207,  
14) }
```

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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