

Converting Colors

$Y_{xy}(57.2798, 0.3005, 0.5937)$

Have a look what the booklet for
Yxy(57.2798, 0.3005, 0.5937)
contains.

Yxy(57.3729, 0.3005, 0.5939)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.3729, 0.3005, 0.5939)

Conversions

Conversions Part 1

Format	Color
Hex	16E714
RGB	22, 231, 20
RGB Percent	9%, 91%, 8%
CMY	0.9144, 0.0941, 0.9219
CMYK	0.91, 0.00, 0.91, 0.09
HSL	119°, 84%, 49%
HSV	119°, 91%, 91%
XYZ	29.0294, 57.3729, 10.2013
YIQ	144.4550, -56.8330, -109.9290

Conversions

Conversions Part 2

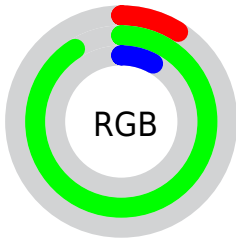
Format	Color
R_{YB}	20, 231, 229
Decimal	1500948
CIE Lab	80.39, -78.75, 75.35
CIE LCh	80, 108.991, 136.263
Yxy	57.3729, 0.3005, 0.5939
Android (android.graphics.Color)	4279691028 (0xFF16E714)
YUV	144.4550, -61.3563, -107.3930
Hunter-Lab	75.7449, -64.1431, 45.0362

Details

The Yxy color **57.3729, 0.3005, 0.5939** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **22.9440, 0.3187, 0.1555**, and the grayscale version is **28.3285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0922, 0.3134, 0.5290**, and **30.2721, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **57.1699, 0.3001, 0.5999**, and if you desaturate by 10%, it is **57.8825, 0.3013, 0.5797**.

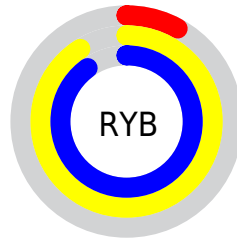
Distribution



Red (9%)

Green (91%)

Blue (8%)



Red (8%)

Yellow (91%)

Blue (90%)

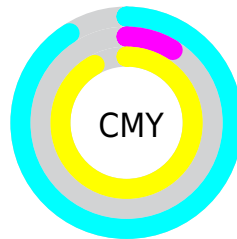


Cyan (91%)

Magenta (0%)

Yellow (91%)

Black (9%)



Cyan (91%)


Magenta (9%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.3729, 0.3005, 0.5939 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 57.3729, 0.3005, 0.5939 by changing the saturation by 10% instead.


 57.3729, 0.3005,
0.5939

 57.3729, 0.3005,
0.5939

414.8451, 0.3191,
0.4575


 41.3047, 0.2917,
0.6260


 101.0091, 0.3104,
0.5451


 28.5573, 0.2783,
0.6649


 129.3459, 0.3132,
0.5263

 18.7461, 0.2576,
0.7118


 162.5410, 0.3151,
0.5104

 11.4870, 0.2270,
0.7730

 200.9788, 0.3165,
0.4968

 6.3954, 0.1747,
0.8253

 245.0437, 0.3175,
0.4849

 3.0870, 0.0674,
0.9326

 295.1202, 0.3182,

 1.1773, 0.0000,

0.4746

1.0000

351.5925, 0.3187,
0.4655

■ 0.0431, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.3729, 0.3005,
0.5939

■ 57.3729, 0.3005,
0.5939


■ 57.1699, 0.3001,
0.5999


■ 57.8825, 0.3013,
0.5797


■ 58.7661, 0.3025,
0.5569


■ 60.0803, 0.3040,
0.5270


■ 61.8704, 0.3056,
0.4926

 64.1759, 0.3072,
0.4566

 67.0325, 0.3088,
0.4213

 70.4723, 0.3102,
0.3884

 74.5253, 0.3115,
0.3586

 79.2192, 0.3126,
0.3323

Harmonies

Analogous

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



57.3729, 0.4174, 0.5521



57.3729, 0.3005, 0.5939



57.3729, 0.1920, 0.4882

Triad

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



57.3729, 0.3005, 0.5939



57.3729, 0.1194, 0.1524



57.3729, 0.5394, 0.2893

Complementary

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



57.3729, 0.3005, 0.5939



22.9440, 0.3187, 0.1555

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.



57.3729, 0.4119, 0.2194



57.3729, 0.3005, 0.5939



57.3729, 0.1707, 0.1452

Square

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



57.3729, 0.3005, 0.5939



57.3729, 0.1041, 0.1997



57.3729, 0.2692, 0.1683



57.3729, 0.5749, 0.3669

Rectangle

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



57.3729, 0.3005, 0.5939



57.3729, 0.1410, 0.3672



57.3729, 0.2692, 0.1683



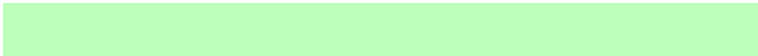
57.3729, 0.5044, 0.2648

Sweetspot

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



57.3753, 0.3005, 0.5939



85.6072, 0.3094, 0.4070



72.2473, 0.4204, 0.5005



18.0209, 0.3089, 0.4186



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.



57.3753, 0.3005, 0.5939



71.5348, 0.3001, 0.5999



58.7083, 0.2718, 0.4929



16.0953, 0.3117, 0.3533



32.0505, 0.3002, 0.5998



2.3706, 0.3008, 0.5994

Inverse Universe

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



22.9440, 0.3187, 0.1555



28.0481, 0.3186, 0.1529



19.0724, 0.4721, 0.2423



14.6083, 0.3137, 0.3058



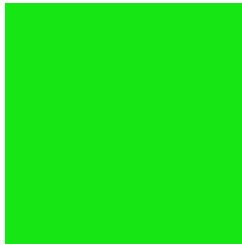
12.5694, 0.3187, 0.1529



0.9310, 0.3190, 0.1531

Previews

White Background



This preview shows how the Yxy color 57.3729, 0.3005, 0.5939 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 57.3729, 0.3005, 0.5939 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 57.3729, 0.3005, 0.5939

Background



This preview shows how black text looks on a background with the Yxy color 57.3729, 0.3005, 0.5939.



This preview shows how white text looks on a background with the Yxy color 57.3729, 0.3005, 0.5939.

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

57.3729, 0.3005, 0.5939

Protanopia

56.0761, 0.4408, 0.4882

Deuteranopia

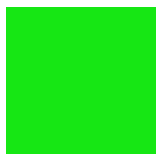
55.7541, 0.4607, 0.4496



Tritanopia

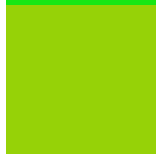
57.0237, 0.2361, 0.3066

Trichromacy



Original Color

57.3729, 0.3005, 0.5939



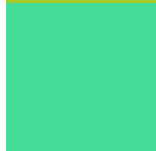
Protanomaly

52.5926, 0.3687, 0.5437



Deuteranomaly

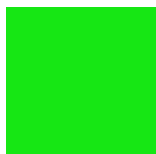
50.9790, 0.3808, 0.5180



Tritanomaly

55.3816, 0.2647, 0.4274

Monochromacy



Original Color

57.3729, 0.3005, 0.5939



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

34.6608, 0.3072, 0.4623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.3729, 0.3005, 0.5939 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(22, 231, 20)` looks like.

```
.text, #text, p{  
    color:rgb(22, 231, 20)  
}
```

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(22, 231, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 231, 20) }
```

Border

The CSS property to change the border of an element to Yxy 57.3729, 0.3005, 0.5939 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(22, 231, 20) }
```

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

```
.border{ border-color:rgb(22, 231, 20) }
```

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

Here you see how a box with a 4 pixel rgb(22, 231, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 231, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 231, 20);  
box-shadow:4px 4px 4px 4px rgb(22, 231,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 57.3729, 0.3005, 0.5939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 231, 20) }
```

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

```
.background{ background-color: rgb(22, 231,  
20) }
```

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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