

Converting Colors

$Y_{xy}(59.9024, 0.2838, 0.5418)$

Have a look what the booklet for
Yxy(59.9024, 0.2838, 0.5418)
contains.

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Color

Yxy(60.1379, 0.2838, 0.5416)

Conversions

Conversions Part 1

Format	Color
Hex	00EB59
RGB	0, 235, 89
RGB Percent	0%, 92%, 35%
CMY	0.9989, 0.0784, 0.6512
CMYK	1.00, 0.00, 0.62, 0.08
HSL	143°, 100%, 46%
HSV	143°, 100%, 92%
XYZ	31.5124, 60.1379, 19.3871
YIQ	148.0910, -93.1940, -95.2260

Conversions

Conversions Part 2

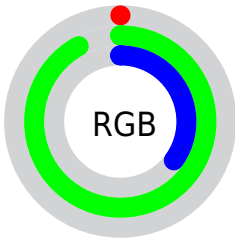
Format	Color
RYB	0, 170, 235
Decimal	60249
CIELab	81.91, -75.98, 56.30
CIELCh	82, 94.565, 143.462
Yxy	60.1379, 0.2838, 0.5416
Android (android.graphics.Color)	4278250329 (0xFF00EB59)
YUV	148.0910, -29.1319, -129.8758
Hunter-Lab	77.5486, -63.1754, 39.4616

Details

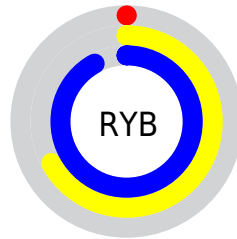
The Yxy color **60.1379, 0.2838, 0.5416** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **19.7547, 0.4471, 0.2237**, and the grayscale version is **29.8439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9131, 0.2905, 0.4719**, and **31.5432, 0.2954, 0.5835** is the 20% darker color. If you saturate the color by 10%, you get **60.1355, 0.2838, 0.5418**, and if you desaturate by 10%, it is **60.6005, 0.2804, 0.5219**.

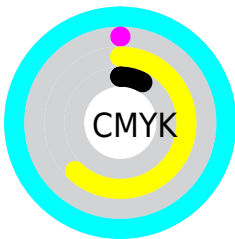
Distribution



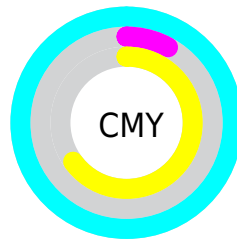
- Red (0%)
- Green (92%)
- Blue (35%)



- Red (0%)
- Yellow (67%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1379, 0.2838, 0.5416 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 60.1379, 0.2838, 0.5416 by changing the saturation by 10% instead.


 60.1379, 0.2838,
0.5416


 60.1379, 0.2838,
0.5416


425.1059, 0.3047,
0.4308


 43.5298, 0.2766,
0.5694


 105.0297, 0.2929,
0.5009

 30.3010, 0.2662,
0.6047


 134.0822, 0.2959,
0.4857

 20.0672, 0.2508,
0.6501


 168.0515, 0.2982,
0.4729

 12.4439, 0.2269,
0.7091

 207.3222, 0.3001,
0.4619

 7.0467, 0.1936,
0.8064

 252.2786, 0.3016,
0.4525

 3.4914, 0.1144,
0.8856

303.3051, 0.3028,

 1.3933, 0.0000,

0.4443

1.0000

360.7860, 0.3038,
0.4371

■ 0.2118, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.1379, 0.2838,
0.5416

■ 60.1379, 0.2838,
0.5416

■ 60.1355, 0.2838,
0.5418

■ 60.6005, 0.2804,
0.5219


■ 61.3420, 0.2784,
0.4997


■ 62.4382, 0.2783,
0.4759


■ 63.9337, 0.2800,
0.4514

 65.8660, 0.2833,
0.4272

 68.2683, 0.2879,
0.4040

 71.1704, 0.2935,
0.3824

 74.5996, 0.2996,
0.3626

 78.5811, 0.3062,
0.3447

Harmonies

Analogous

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



60.1379, 0.3896, 0.5425



60.1379, 0.2838, 0.5416



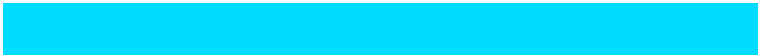
60.1379, 0.1908, 0.4273

Triad

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



60.1379, 0.2838, 0.5416



60.1379, 0.1469, 0.1671



60.1379, 0.5243, 0.3149

Complementary

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



60.1379, 0.2838, 0.5416



19.7547, 0.4471, 0.2237

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.



60.1379, 0.4291, 0.2471



60.1379, 0.2838, 0.5416



60.1379, 0.2045, 0.1665

Square

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



60.1379, 0.2838, 0.5416



60.1379, 0.1253, 0.2025



60.1379, 0.3036, 0.1944



60.1379, 0.5395, 0.3899

Rectangle

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



60.1379, 0.2838, 0.5416



60.1379, 0.1502, 0.3303



60.1379, 0.3036, 0.1944



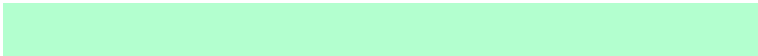
60.1379, 0.5002, 0.2913

Sweetspot

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



60.1404, 0.2838, 0.5416



85.5688, 0.2933, 0.3829



65.8026, 0.3556, 0.5558



17.9839, 0.2909, 0.3919



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.



60.1404, 0.2838, 0.5416



72.3706, 0.2841, 0.5426



63.7655, 0.2367, 0.3719



16.9563, 0.3064, 0.3440



33.4903, 0.2830, 0.5389



2.6480, 0.2752, 0.5109

Inverse Universe

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



19.7547, 0.4471, 0.2237



23.7518, 0.4480, 0.2242



17.7709, 0.6249, 0.3217



15.2117, 0.3196, 0.3144



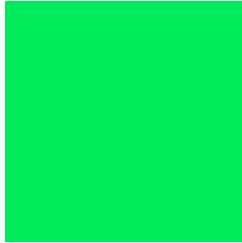
11.0143, 0.4448, 0.2224



0.8835, 0.4230, 0.2104

Previews

White Background



This preview shows how the Yxy color 60.1379, 0.2838, 0.5416 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 60.1379, 0.2838, 0.5416 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 60.1379, 0.2838, 0.5416

Background



This preview shows how black text looks on a background with the Yxy color 60.1379, 0.2838, 0.5416.



This preview shows how white text looks on a background with the Yxy color 60.1379, 0.2838, 0.5416.

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

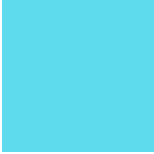
60.1379, 0.2838, 0.5416

Protanopia

58.8131, 0.4176, 0.4583

Deuteranopia

58.6150, 0.4304, 0.4208



Tritanopia

59.7391, 0.2336, 0.3057

Trichromacy



Original Color

60.1379, 0.2838, 0.5416



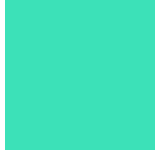
Protanomaly

54.5573, 0.3412, 0.5039



Deuteranomaly

53.2439, 0.3478, 0.4771



Tritanomaly

58.2718, 0.2490, 0.3876

Monochromacy



Original Color

60.1379, 0.2838, 0.5416



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

36.5545, 0.2842, 0.4194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1379, 0.2838, 0.5416 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(0, 235, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 89)  
}
```

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(0, 235, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 89) }
```

Border

The CSS property to change the border of an element to Yxy 60.1379, 0.2838, 0.5416 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(0, 235, 89) }
```

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

```
.border{ border-color:rgb(0, 235, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 235, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 235, 89)  
}
```


Background

The CSS property to change the background color of an element to Yxy 60.1379, 0.2838, 0.5416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 89) }
```

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

```
.background{ background-color: rgb(0, 235,  
89) }
```

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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