

Converting Colors

$Y_{xy}(59.4532, 0.2932, 0.5745)$

Have a look what the booklet for
Yxy(59.4532, 0.2932, 0.5745)
contains.

Yxy(59.7379, 0.2932, 0.5742)	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(59.7379, 0.2932, 0.5742)

Conversions

Conversions Part 1

Format	Color
Hex	05EB39
RGB	5, 235, 57
RGB Percent	2%, 92%, 22%
CMY	0.9816, 0.0784, 0.7764
CMYK	0.98, 0.00, 0.76, 0.08
HSL	134°, 96%, 47%
HSV	134°, 98%, 92%
XYZ	30.5036, 59.7379, 13.7953
YIQ	145.9380, -79.9420, -104.1180

Conversions

Conversions Part 2

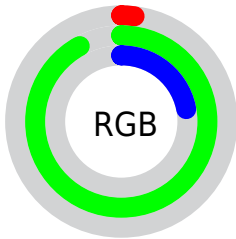
Format	Color
RYB	5, 193, 235
Decimal	387897
CIELab	81.70, -78.77, 67.99
CIELCh	82, 104.058, 139.203
Yxy	59.7379, 0.2932, 0.5742
Android (android.graphics.Color)	4278577977 (0xFF05EB39)
YUV	145.9380, -43.8464, -123.6026
Hunter-Lab	77.2903, -64.8108, 43.5207

Details

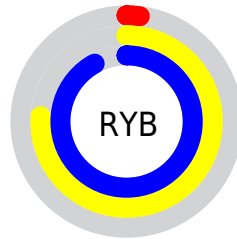
The Yxy color **59.7379, 0.2932, 0.5742** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **21.1686, 0.3877, 0.1917**, and the grayscale version is **28.8856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3584, 0.3035, 0.5055**, and **31.4443, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.6751, 0.2937, 0.5773**, and if you desaturate by 10%, it is **60.1746, 0.2906, 0.5557**.

Distribution



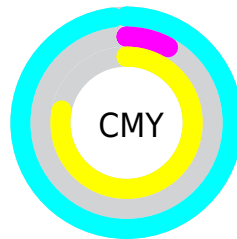
- Red (2%)
- Green (92%)
- Blue (22%)



- Red (2%)
- Yellow (76%)
- Blue (92%)



- Cyan (98%)
- Magenta (0%)
- Yellow (76%)
- Black (8%)




- Cyan (98%)
- Magenta (8%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7379, 0.2932, 0.5742 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 59.7379, 0.2932, 0.5742 by changing the saturation by 10% instead.


 59.7379, 0.2932,
0.5742

 59.7379, 0.2932,
0.5742


423.6310, 0.3127,
0.4473

 43.2074, 0.2852,
0.6050

 104.4494, 0.3026,
0.5283

 30.0479, 0.2734,
0.6430


 133.3991, 0.3055,
0.5108

 19.8749, 0.2552,
0.6901


 167.2574, 0.3076,
0.4961

 12.3042, 0.2287,
0.7545

 206.4087, 0.3092,
0.4835

 6.9512, 0.1824,
0.8176

 251.2373, 0.3104,
0.4726

 3.4316, 0.0949,
0.9051

302.1276, 0.3113,

 1.3610, 0.0000,

0.4631

1.0000

359.4640, 0.3121,
0.4547

■ 0.1877, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.7379, 0.2932,
0.5742

■ 59.7379, 0.2932,
0.5742

■ 59.6751, 0.2937,
0.5773

■ 60.1746, 0.2906,
0.5557


■ 60.9328, 0.2891,
0.5322


■ 62.0769, 0.2890,
0.5051


■ 63.6524, 0.2904,
0.4760

 65.6985, 0.2929,
0.4465

 68.2497, 0.2963,
0.4179

 71.3373, 0.3003,
0.3911

 74.9899, 0.3046,
0.3666

 79.2342, 0.3091,
0.3447

Harmonies

Analogous

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



59.7379, 0.4059, 0.5507



59.7379, 0.2932, 0.5742



59.7379, 0.1906, 0.4618

Triad

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



59.7379, 0.2932, 0.5742



59.7379, 0.1300, 0.1577



59.7379, 0.5349, 0.2999

Complementary

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



59.7379, 0.2932, 0.5742



21.1686, 0.3877, 0.1917

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.



59.7379, 0.4207, 0.2306



59.7379, 0.2932, 0.5742



59.7379, 0.1842, 0.1533

Square

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



59.7379, 0.2932, 0.5742



59.7379, 0.1120, 0.1999



59.7379, 0.2839, 0.1785



59.7379, 0.5612, 0.3769

Rectangle

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



59.7379, 0.2932, 0.5742



59.7379, 0.1439, 0.3502



59.7379, 0.2839, 0.1785



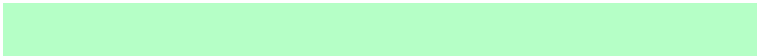
59.7379, 0.5045, 0.2758

Sweetspot

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



59.7404, 0.2932, 0.5742



85.4202, 0.2998, 0.3940



69.7512, 0.3814, 0.5345



17.9321, 0.2980, 0.4053



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.



59.7404, 0.2932, 0.5742



71.8248, 0.2939, 0.5779



62.3374, 0.2511, 0.4231



16.9182, 0.3085, 0.3477



33.2291, 0.2930, 0.5749



2.6236, 0.2859, 0.5492

Inverse Universe

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



21.1686, 0.3877, 0.1917



25.2941, 0.3898, 0.1921



18.2049, 0.5801, 0.2982



15.2518, 0.3173, 0.3110



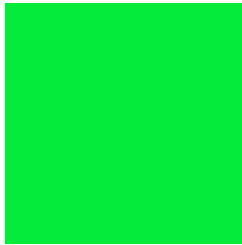
11.7207, 0.3882, 0.1912



0.9347, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 59.7379, 0.2932, 0.5742 looks on a white background.

Color Contrast Check

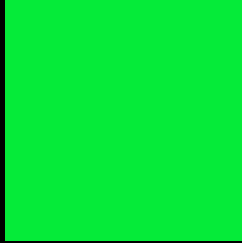
Large Text (above 18pt) WCAG AA × Fail

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 59.7379, 0.2932, 0.5742 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 59.7379, 0.2932, 0.5742

Background



This preview shows how black text looks on a background with the Yxy color 59.7379, 0.2932, 0.5742.

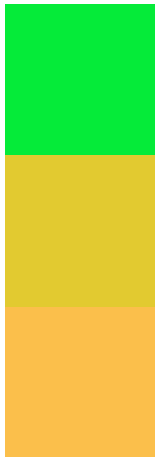


This preview shows how white text looks on a background with the Yxy color 59.7379, 0.2932, 0.5742.

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

59.7443, 0.2932, 0.5742

Protanopia

58.6232, 0.4312, 0.4768

Deuteranopia

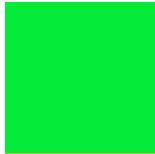
58.2788, 0.4497, 0.4391



Tritanopia

59.3188, 0.2347, 0.3057

Trichromacy



Original Color

59.7443, 0.2932, 0.5742



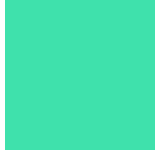
Protanomaly

54.4431, 0.3555, 0.5303



Deuteranomaly

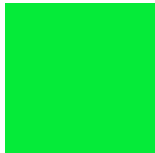
52.6201, 0.3649, 0.5045



Tritanomaly

57.8857, 0.2554, 0.4060

Monochromacy



Original Color

59.7443, 0.2932, 0.5742



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

35.4886, 0.2934, 0.4398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7379, 0.2932, 0.5742 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(5, 235, 57)` looks like.

```
.text, #text, p{  
    color:rgb(5, 235, 57)  
}
```

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(5, 235, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 235, 57) }
```

Border

The CSS property to change the border of an element to Yxy 59.7379, 0.2932, 0.5742 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(5, 235, 57) }
```

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

```
.border{ border-color:rgb(5, 235, 57) }
```

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

Here you see how a box with a 4 pixel rgb(5, 235, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 235, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 235, 57);  
box-shadow:4px 4px 4px 4px rgb(5, 235, 57)  
}
```


Background

The CSS property to change the background color of an element to Yxy 59.7379, 0.2932, 0.5742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 235, 57) }
```

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

```
.background{ background-color: rgb(5, 235,  
57) }
```

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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