

Converting Colors

$Yxy(60.5471, 0.2860, 0.5495)$

Have a look what the booklet for
Yxy(60.5471, 0.2860, 0.5495)
contains.

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Color

Yxy(60.6154, 0.2859, 0.5491)

Conversions

Conversions Part 1

Format	Color
Hex	01EC53
RGB	1, 236, 83
RGB Percent	0%, 93%, 33%
CMY	0.9980, 0.0745, 0.6746
CMYK	1.00, 0.00, 0.65, 0.07
HSL	141°, 100%, 46%
HSV	141°, 100%, 93%
XYZ	31.5606, 60.6154, 18.2144
YIQ	148.2930, -90.9470, -97.4030

Conversions

Conversions Part 2

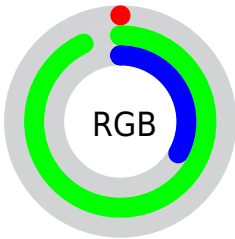
Format	Color
RYB	1, 175, 236
Decimal	126035
CIELab	82.17, -76.92, 59.06
CIElCh	82, 96.977, 142.481
Yxy	60.6154, 0.2859, 0.5491
Android (android.graphics.Color)	4278316115 (0xFF01EC53)
YUV	148.2930, -32.1894, -129.1760
Hunter-Lab	77.8559, -63.8888, 40.6282

Details

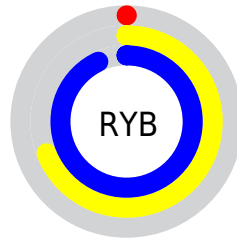
The Yxy color **60.6154, 0.2859, 0.5491** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **20.1617, 0.4358, 0.2175**, and the grayscale version is **29.8433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7997, 0.2935, 0.4793**, and **31.8949, 0.2975, 0.5910** is the 20% darker color. If you saturate the color by 10%, you get **60.6094, 0.2860, 0.5495**, and if you desaturate by 10%, it is **61.0738, 0.2825, 0.5294**.

Distribution



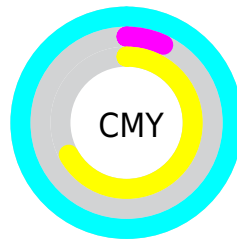
- Red (0%)
- Green (93%)
- Blue (33%)



- Red (0%)
- Yellow (69%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6154, 0.2859, 0.5491 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 60.6154, 0.2859, 0.5491 by changing the saturation by 10% instead.


 60.6154, 0.2859,
0.5491


 60.6154, 0.2859,
0.5491


426.8624, 0.3064,
0.4346


 43.9149, 0.2786,
0.5776


 105.7219, 0.2950,
0.5072


 30.6036, 0.2680,
0.6135


 134.8966, 0.2979,
0.4915

 20.2972, 0.2522,
0.6594


 168.9981, 0.3002,
0.4783

 12.6112, 0.2274,
0.7182

 208.4109, 0.3020,
0.4670

 7.1614, 0.1917,
0.8083

 253.5194, 0.3034,
0.4572

 3.5632, 0.1133,
0.8867

304.7078, 0.3046,

 1.4324, 0.0000,

0.4487

1.0000

362.3607, 0.3056,
0.4412

■ 0.2404, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.6154, 0.2859,
0.5491

■ 60.6154, 0.2859,
0.5491

■ 60.6094, 0.2860,
0.5495

■ 61.0738, 0.2825,
0.5294

■ 61.8188, 0.2805,
0.5068

■ 62.9265, 0.2803,
0.4822

■ 64.4422, 0.2819,
0.4568

■ 66.4042, 0.2850,
0.4316

■ 68.8462, 0.2894,
0.4073

■ 71.7987, 0.2946,
0.3847

■ 75.2895, 0.3005,
0.3639

■ 79.3443, 0.3066,
0.3453

Harmonies

Analogous

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



60.6154, 0.3933, 0.5449



60.6154, 0.2859, 0.5491



60.6154, 0.1907, 0.4347

Triad

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



60.6154, 0.2859, 0.5491



60.6154, 0.1430, 0.1649



60.6154, 0.5269, 0.3116

Complementary

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



60.6154, 0.2859, 0.5491



20.1617, 0.4358, 0.2175

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.



60.6154, 0.4275, 0.2434



60.6154, 0.2859, 0.5491



60.6154, 0.1999, 0.1635

Square

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



60.6154, 0.2859, 0.5491



60.6154, 0.1222, 0.2018



60.6154, 0.2993, 0.1908



60.6154, 0.5445, 0.3871

Rectangle

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



60.6154, 0.2859, 0.5491



60.6154, 0.1487, 0.3344



60.6154, 0.2993, 0.1908



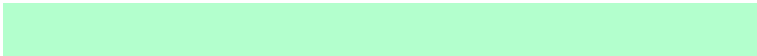
60.6154, 0.5014, 0.2878

Sweetspot

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



60.6179, 0.2859, 0.5491



85.4660, 0.2944, 0.3854



66.8204, 0.3583, 0.5536



17.9599, 0.2921, 0.3948



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.



60.6179, 0.2859, 0.5491



72.2462, 0.2862, 0.5502



64.1956, 0.2382, 0.3776



16.9493, 0.3068, 0.3447



33.4314, 0.2852, 0.5465



2.6428, 0.2774, 0.5185

Inverse Universe

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



20.1617, 0.4358, 0.2175



24.0024, 0.4367, 0.2179



17.9703, 0.6216, 0.3199



15.2190, 0.3191, 0.3138



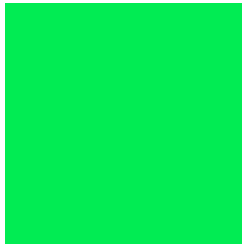
11.1295, 0.4338, 0.2163



0.8920, 0.4141, 0.2055

Previews

White Background



This preview shows how the Yxy color 60.6154, 0.2859, 0.5491 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 60.6154, 0.2859, 0.5491 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 60.6154, 0.2859, 0.5491

Background



This preview shows how black text looks on a background with the Yxy color 60.6154, 0.2859, 0.5491.

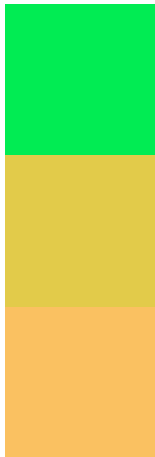


This preview shows how white text looks on a background with the Yxy color 60.6154, 0.2859, 0.5491.

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

60.6219, 0.2859, 0.5491

Protanopia

59.3750, 0.4201, 0.4623

Deuteranopia

59.3270, 0.4346, 0.4252



Tritanopia

60.3778, 0.2338, 0.3058

Trichromacy



Original Color

60.6219, 0.2859, 0.5491



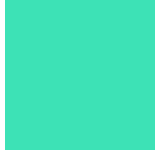
Protanomaly

55.0660, 0.3442, 0.5103



Deuteranomaly

53.7446, 0.3509, 0.4832



Tritanomaly

58.7622, 0.2505, 0.3919

Monochromacy



Original Color

60.6219, 0.2859, 0.5491



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

36.4774, 0.2862, 0.4248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6154, 0.2859, 0.5491 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(1, 236, 83)` looks like.

```
.text, #text, p{  
    color:rgb(1, 236, 83)  
}
```

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(1, 236, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 236, 83) }
```

Border

The CSS property to change the border of an element to Yxy 60.6154, 0.2859, 0.5491 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(1, 236, 83) }
```

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

```
.border{ border-color:rgb(1, 236, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 236, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 236, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 236, 83);  
box-shadow:4px 4px 4px 4px rgb(1, 236, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 60.6154, 0.2859, 0.5491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 236, 83) }
```

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

```
.background{ background-color: rgb(1, 236,  
83) }
```

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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