

Converting Colors

$Y_{xy}(60.4104, 0.2899, 0.5458)$

Have a look what the booklet for
Yxy(60.4104, 0.2899, 0.5458)
contains.

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Color

Yxy(60.4725, 0.2899, 0.5461)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 27EB53 |
| RGB | 39, 235, 83 |
| RGB Percent | 15%, 92%, 33% |
| CMY | 0.8476, 0.0784, 0.6746 |
| CMYK | 0.83, 0.00, 0.65, 0.08 |
| HSL | 133°, 83%, 54% |
| HSV | 133°, 83%, 92% |
| XYZ | 32.1021, 60.4725, 18.1606 |
| YIQ | 159.0680, -68.0240, -88.8240 |

Conversions

Conversions Part 2

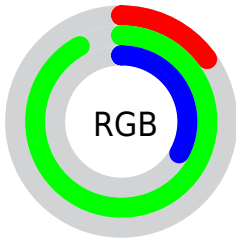
| Format | Color |
|-------------------------------------|----------------------------------|
| R _Y B | 39, 199, 235 |
| Decimal | 2616147 |
| CIE Lab | 82.09, -74.62, 59.04 |
| CIE LCh | 82, 95.146, 141.648 |
| Yxy | 60.4725, 0.2899, 0.5461 |
| Android (android.graphics.Color) | 4280806227 (0xFF27EB53) |
| YUV | 159.0680, -37.5015, -105.2996 |
| Hunter-Lab | 77.7641, -62.3997, 40.5886 |

Details

The Yxy color **60.4725, 0.2899, 0.5461** 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 **22.8631, 0.3744, 0.1929**, and the grayscale version is **34.8849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4926, 0.2980, 0.4774**, and **31.4984, 0.2975, 0.5909** is the 20% darker color. If you saturate the color by 10%, you get **59.9055, 0.2921, 0.5669**, and if you desaturate by 10%, it is **61.4016, 0.2891, 0.5208**.

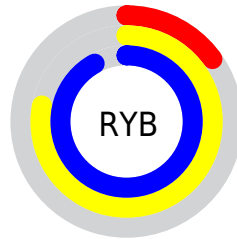
Distribution



Red (15%)

Green (92%)

Blue (33%)



Red (15%)

Yellow (78%)

Blue (92%)

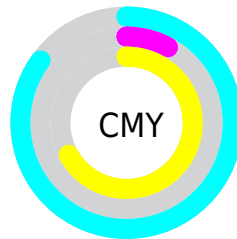


Cyan (83%)

Magenta (0%)

Yellow (65%)

Black (8%)



Cyan (85%)


Magenta (8%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.4725, 0.2899, 0.5461 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 60.4725, 0.2899, 0.5461 by changing the saturation by 10% instead.


 60.4725, 0.2899,
0.5461


 60.4725, 0.2899,
0.5461


426.3372, 0.3083,
0.4334

 43.7996, 0.2831,
0.5741


 105.5148, 0.2983,
0.5049


 30.5130, 0.2731,
0.6094


 134.6530, 0.3009,
0.4894


 20.2283, 0.2580,
0.6544

 168.7150, 0.3030,
0.4764

 12.5611, 0.2342,
0.7121

 208.0853, 0.3046,
0.4653

 7.1270, 0.1995,
0.8005

 253.1483, 0.3058,
0.4556

 3.5417, 0.1244,
0.8756

304.2884, 0.3068,

 1.4206, 0.0000,

0.4473

1.0000

361.8899, 0.3077,
0.4399

■ 0.2319, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.4725, 0.2899,
0.5461

■ 60.4725, 0.2899,
0.5461

■ 59.9055, 0.2921,
0.5669

■ 61.4016, 0.2891,
0.5208

■ 59.6776, 0.2938,
0.5777


■ 62.7362, 0.2896,
0.4925


■ 64.5211, 0.2915,
0.4630

■ 66.7933, 0.2944,
0.4336

 69.5857, 0.2981,
0.4057

 72.9283, 0.3023,
0.3798

 76.8490, 0.3067,
0.3564

 81.3737, 0.3112,
0.3356

 86.5264, 0.3156,
0.3173

Harmonies

Analogous

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



60.4725, 0.3959, 0.5402



60.4725, 0.2899, 0.5461



60.4725, 0.1950, 0.4368

Triad

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



60.4725, 0.2899, 0.5461



60.4725, 0.1442, 0.1676



60.4725, 0.5215, 0.3104

Complementary

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



60.4725, 0.2899, 0.5461



22.8631, 0.3744, 0.1929

Split Complementary

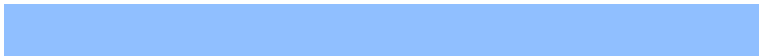
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.4725, 0.4221, 0.2430



60.4725, 0.2899, 0.5461



60.4725, 0.1995, 0.1652

Square

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



60.4725, 0.2899, 0.5461



60.4725, 0.1244, 0.2056



60.4725, 0.2964, 0.1915



60.4725, 0.5417, 0.3851

Rectangle

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



60.4725, 0.2899, 0.5461



60.4725, 0.1525, 0.3385



60.4725, 0.2964, 0.1915



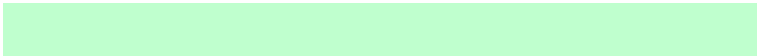
60.4725, 0.4956, 0.2869

Sweetspot

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



60.4750, 0.2899, 0.5461



87.0651, 0.3016, 0.3839



70.8409, 0.3830, 0.5223



18.3235, 0.3001, 0.3929



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.



60.4750, 0.2899, 0.5461



71.8190, 0.2940, 0.5783



63.1230, 0.2500, 0.4076



16.9176, 0.3085, 0.3478



33.2263, 0.2932, 0.5754



2.6233, 0.2860, 0.5497

Inverse Universe

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



22.8631, 0.3744, 0.1929



25.3208, 0.3890, 0.1917



19.9224, 0.5325, 0.2865



15.2524, 0.3172, 0.3109



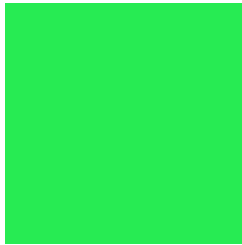
11.7329, 0.3874, 0.1908



0.9355, 0.3763, 0.1847

Previews

White Background



This preview shows how the Yxy color 60.4725, 0.2899, 0.5461 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 60.4725, 0.2899, 0.5461 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 60.4725, 0.2899, 0.5461

Background



This preview shows how black text looks on a background with the Yxy color 60.4725, 0.2899, 0.5461.

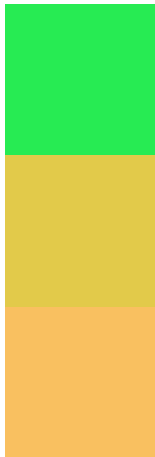


This preview shows how white text looks on a background with the Yxy color 60.4725, 0.2899, 0.5461.

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

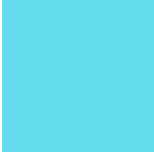
60.4725, 0.2899, 0.5461

Protanopia

58.9042, 0.4209, 0.4615

Deuteranopia

58.6835, 0.4352, 0.4254



Tritanopia

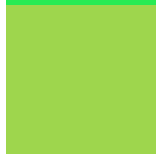
60.1261, 0.2360, 0.3059

Trichromacy



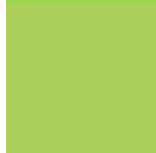
Original Color

60.4725, 0.2899, 0.5461



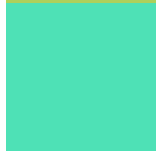
Protanomaly

55.8981, 0.3554, 0.5031



Deuteranomaly

54.7513, 0.3634, 0.4774



Tritanomaly

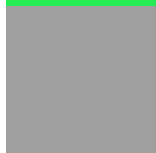
58.8475, 0.2551, 0.3899

Monochromacy



Original Color

60.4725, 0.2899, 0.5461



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.8242, 0.2965, 0.4183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.4725, 0.2899, 0.5461 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(39, 235, 83)` looks like.

```
.text, #text, p{  
    color:rgb(39, 235, 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(39, 235, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 235, 83) }
```

Border

The CSS property to change the border of an element to Yxy 60.4725, 0.2899, 0.5461 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(39, 235, 83) }
```

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

```
.border{ border-color:rgb(39, 235, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 235, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 235, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 235, 83);  
box-shadow:4px 4px 4px 4px rgb(39, 235,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 60.4725, 0.2899, 0.5461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 235, 83) }
```

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

```
.background{ background-color: rgb(39, 235,  
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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