

Converting Colors

$Y_{xy}(59.7964, 0.2983, 0.5842)$

Have a look what the booklet for
Yxy(59.7964, 0.2983, 0.5842)
contains.

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Color

Yxy(59.7964, 0.2983, 0.5842)

Conversions

Conversions Part 1

Format	Color
Hex	1AEB29
RGB	26, 235, 41
RGB Percent	10%, 92%, 16%
CMY	0.8983, 0.0784, 0.8393
CMYK	0.89, 0.00, 0.83, 0.08
HSL	124°, 84%, 51%
HSV	124°, 89%, 92%
XYZ	30.5328, 59.7964, 12.0268
YIQ	150.3930, -62.2900, -104.6420

Conversions

Conversions Part 2

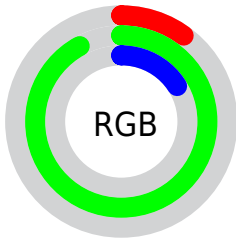
Format	Color
R_{YB}	26, 221, 235
Decimal	1764137
CIE _{Lab}	81.73, -78.80, 72.53
CIE _{LCh}	82, 107.104, 137.372
Yxy	59.7964, 0.2983, 0.5842
Android (android.graphics.Color)	4279954217 (0xFF1AEB29)
YUV	150.3930, -53.9307, -109.0927
Hunter-Lab	77.3281, -64.8440, 44.9083

Details

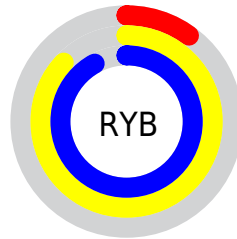
The Yxy color **59.7964, 0.2983, 0.5842** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **23.5649, 0.3376, 0.1673**, and the grayscale version is **30.9204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4414, 0.3104, 0.5174**, and **31.4443, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.4835, 0.2990, 0.5956**, and if you desaturate by 10%, it is **60.4405, 0.2981, 0.5649**.

Distribution



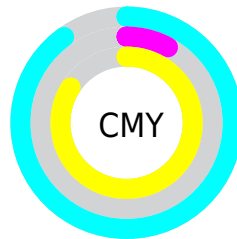
- Red (10%)
- Green (92%)
- Blue (16%)



- Red (10%)
- Yellow (87%)
- Blue (92%)



- Cyan (89%)
- Magenta (0%)
- Yellow (83%)
- Black (8%)





- Cyan (90%)
- Magenta (8%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7964, 0.2983, 0.5842 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 59.7964, 0.2983, 0.5842 by changing the saturation by 10% instead.


 59.7964, 0.2983,
0.5842

 59.7964, 0.2983,
0.5842


 423.8469, 0.3166,
0.4530


 43.2545, 0.2901,
0.6154

 104.5343, 0.3077,
0.5371

 30.0849, 0.2778,
0.6535


 133.4991, 0.3104,
0.5191

 19.9030, 0.2588,
0.6998


 167.3736, 0.3124,
0.5038

 12.3246, 0.2327,
0.7673

 206.5424, 0.3138,
0.4907

 6.9651, 0.1825,
0.8175

 251.3897, 0.3148,
0.4794

 3.4403, 0.0953,
0.9047

 302.2999, 0.3156,

 1.3657, 0.0000,

0.4695

1.0000

359.6575, 0.3162,
0.4607

■ 0.1912, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.7964, 0.2983,
0.5842

■ 59.7964, 0.2983,
0.5842

■ 59.4835, 0.2990,
0.5956


■ 60.4405, 0.2981,
0.5649

■ 59.4604, 0.2990,
0.5964


■ 61.4836, 0.2985,
0.5387

■ 62.9798, 0.2997,
0.5074


■ 64.9730, 0.3015,
0.4736

 67.5019, 0.3036,
0.4396

 70.6013, 0.3059,
0.4071

 74.3032, 0.3084,
0.3771

 78.6372, 0.3107,
0.3503

 83.6308, 0.3129,
0.3267

Harmonies

Analogous

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



59.7964, 0.4129, 0.5506



59.7964, 0.2983, 0.5842



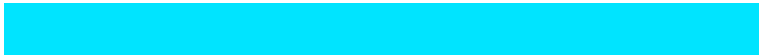
59.7964, 0.1925, 0.4764

Triad

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



59.7964, 0.2983, 0.5842



59.7964, 0.1245, 0.1555



59.7964, 0.5360, 0.2939

Complementary

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



59.7964, 0.2983, 0.5842



23.5649, 0.3376, 0.1673

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.



59.7964, 0.4146, 0.2244



59.7964, 0.2983, 0.5842



59.7964, 0.1767, 0.1493

Square

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



59.7964, 0.2983, 0.5842



59.7964, 0.1082, 0.2007



59.7964, 0.2752, 0.1731



59.7964, 0.5680, 0.3710

Rectangle

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



59.7964, 0.2983, 0.5842



59.7964, 0.1432, 0.3603



59.7964, 0.2752, 0.1731



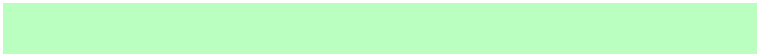
59.7964, 0.5030, 0.2696

Sweetspot

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



59.7989, 0.2983, 0.5842



85.7440, 0.3064, 0.4013



74.8774, 0.4067, 0.5097



18.0520, 0.3056, 0.4121



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.



59.7989, 0.2983, 0.5842



71.5648, 0.2991, 0.5966



61.6651, 0.2637, 0.4620



16.8797, 0.3106, 0.3516



33.0972, 0.2987, 0.5953



2.6051, 0.2953, 0.5830

Inverse Universe

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



23.5649, 0.3376, 0.1673



27.3547, 0.3402, 0.1648



19.6726, 0.4977, 0.2589



15.2940, 0.3149, 0.3074



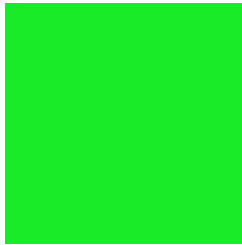
12.6581, 0.3398, 0.1646



0.9996, 0.3369, 0.1630

Previews

White Background



This preview shows how the Yxy color 59.7964, 0.2983, 0.5842 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 59.7964, 0.2983, 0.5842 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 59.7964, 0.2983, 0.5842

Background



This preview shows how black text looks on a background with the Yxy color 59.7964, 0.2983, 0.5842.



This preview shows how white text looks on a background with the Yxy color 59.7964, 0.2983, 0.5842.

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

59.7964, 0.2983, 0.5842

Protanopia

58.6762, 0.4362, 0.4824

Deuteranopia

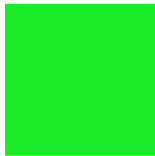
58.3272, 0.4558, 0.4453



Tritanopia

59.4285, 0.2362, 0.3070

Trichromacy



Original Color

59.7964, 0.2983, 0.5842



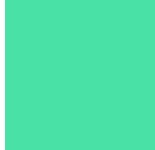
Protanomaly

55.0845, 0.3658, 0.5348



Deuteranomaly

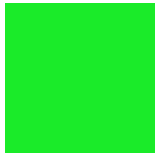
53.4572, 0.3771, 0.5090



Tritanomaly

57.9835, 0.2617, 0.4162

Monochromacy



Original Color

59.7964, 0.2983, 0.5842



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

37.1768, 0.3034, 0.4482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7964, 0.2983, 0.5842 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(26, 235, 41)` looks like.

```
.text, #text, p{  
    color:rgb(26, 235, 41)  
}
```

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(26, 235, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 235, 41) }
```

Border

The CSS property to change the border of an element to Yxy 59.7964, 0.2983, 0.5842 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(26, 235, 41) }
```

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

```
.border{ border-color:rgb(26, 235, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 235, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 235, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 235, 41);  
box-shadow:4px 4px 4px 4px rgb(26, 235,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7964, 0.2983, 0.5842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 235, 41) }
```

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

```
.background{ background-color: rgb(26, 235,  
41) }
```

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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