

Converting Colors

$Yxy(63.0016, 0.2914, 0.5627)$

Have a look what the booklet for
Yxy(63.0016, 0.2914, 0.5627)
contains.

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Color

Yxy(62.9345, 0.2913, 0.5623)

Conversions

Conversions Part 1

Format	Color
Hex	15F047
RGB	21, 240, 71
RGB Percent	8%, 94%, 28%
CMY	0.9183, 0.0588, 0.7217
CMYK	0.91, 0.00, 0.70, 0.06
HSL	134°, 88%, 51%
HSV	134°, 91%, 94%
XYZ	32.6033, 62.9345, 16.3856
YIQ	155.2530, -76.2750, -98.9870

Conversions

Conversions Part 2

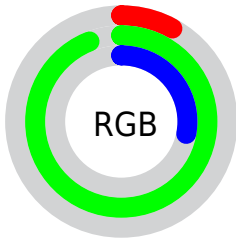
Format	Color
R _Y B	21, 199, 240
Decimal	1437767
CIE Lab	83.41, -78.47, 65.01
CIE LCh	83, 101.906, 140.360
Yxy	62.9345, 0.2913, 0.5623
Android (android.graphics.Color)	4279627847 (0xFF15F047)
YUV	155.2530, -41.5367, -117.7399
Hunter-Lab	79.3313, -65.4704, 43.2858

Details

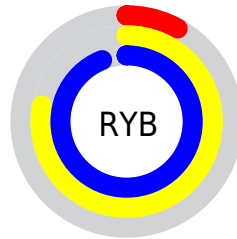
The Yxy color **62.9345, 0.2913, 0.5623** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **22.7687, 0.3826, 0.1915**, and the grayscale version is **33.0869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8604, 0.3000, 0.4907**, and **33.4559, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **62.5998, 0.2937, 0.5772**, and if you desaturate by 10%, it is **63.6085, 0.2894, 0.5404**.

Distribution



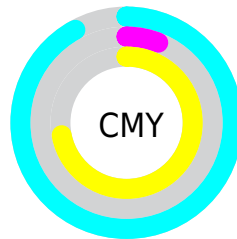
- Red (8%)
- Green (94%)
- Blue (28%)



- Red (8%)
- Yellow (78%)
- Blue (94%)



- Cyan (91%)
- Magenta (0%)
- Yellow (70%)
- Black (6%)




- Cyan (92%)
- Magenta (6%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9345, 0.2913, 0.5623 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 62.9345, 0.2913, 0.5623 by changing the saturation by 10% instead.


 62.9345, 0.2913,
0.5623


 62.9345, 0.2913,
0.5623


435.3317, 0.3104,
0.4422

 45.7882, 0.2840,
0.5915


 109.0750, 0.3002,
0.5188


 32.0787, 0.2732,
0.6278


 138.8380, 0.3030,
0.5024


 21.4216, 0.2569,
0.6733

 173.5754, 0.3051,
0.4884

 13.4326, 0.2317,
0.7309

 213.6716, 0.3067,
0.4765

 7.7271, 0.1931,
0.8069

 259.5109, 0.3080,
0.4662

 3.9208, 0.1225,
0.8775

311.4778, 0.3089,

 1.6294, 0.0000,

0.4572

1.0000

369.9566, 0.3097,
0.4492

■ 0.3773, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.9345, 0.2913,
0.5623

■ 62.9345, 0.2913,
0.5623

■ 62.5998, 0.2937,
0.5772

■ 63.6085, 0.2894,
0.5404


■ 64.6667, 0.2888,
0.5143


■ 66.1629, 0.2897,
0.4857

■ 68.1403, 0.2918,
0.4562

 70.6366, 0.2949,
0.4271

 73.6858, 0.2988,
0.3997

 77.3188, 0.3031,
0.3744

 81.5645, 0.3076,
0.3516

 86.4496, 0.3121,
0.3315

Harmonies

Analogous

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



62.9345, 0.4013, 0.5471



62.9345, 0.2913, 0.5623



62.9345, 0.1920, 0.4502

Triad

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



62.9345, 0.2913, 0.5623



62.9345, 0.1360, 0.1616



62.9345, 0.5298, 0.3047

Complementary

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



62.9345, 0.2913, 0.5623



22.7687, 0.3826, 0.1915

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.



62.9345, 0.4222, 0.2361



62.9345, 0.2913, 0.5623



62.9345, 0.1909, 0.1582

Square

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



62.9345, 0.2913, 0.5623



62.9345, 0.1171, 0.2019



62.9345, 0.2898, 0.1841



62.9345, 0.5530, 0.3809

Rectangle

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



62.9345, 0.2913, 0.5623



62.9345, 0.1471, 0.3443



62.9345, 0.2898, 0.1841



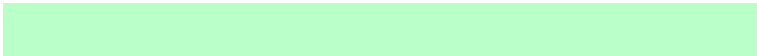
62.9345, 0.5014, 0.2808

Sweetspot

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



62.9371, 0.2913, 0.5623



86.2375, 0.3006, 0.3887



73.6529, 0.3827, 0.5301



18.1652, 0.2991, 0.3975



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.



62.9371, 0.2913, 0.5623



71.8290, 0.2938, 0.5776



65.6931, 0.2502, 0.4162



17.7156, 0.3084, 0.3477



34.2822, 0.2930, 0.5748



2.8667, 0.2863, 0.5505

Inverse Universe

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



22.7687, 0.3826, 0.1915



25.2757, 0.3904, 0.1924



19.6804, 0.5601, 0.2919



15.9659, 0.3173, 0.3110



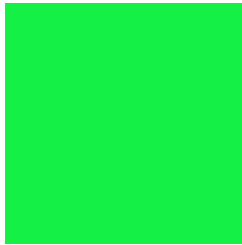
12.0819, 0.3888, 0.1915



1.0200, 0.3780, 0.1856

Previews

White Background



This preview shows how the Yxy color 62.9345, 0.2913, 0.5623 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 62.9345, 0.2913, 0.5623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

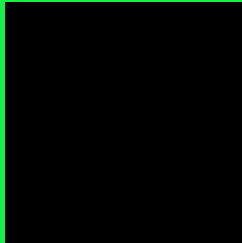
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.9345, 0.2913, 0.5623

Background



This preview shows how black text looks on a background with the Yxy color 62.9345, 0.2913, 0.5623.

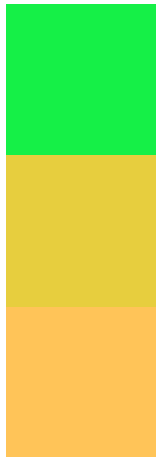


This preview shows how white text looks on a background with the Yxy color 62.9345, 0.2913, 0.5623.

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

62.9345, 0.2913, 0.5623

Protanopia

61.4793, 0.4272, 0.4698

Deuteranopia

61.4444, 0.4419, 0.4328



Tritanopia

62.3748, 0.2348, 0.3062

Trichromacy



Original Color

62.9345, 0.2913, 0.5623



Protanomaly

57.4930, 0.3561, 0.5177



Deuteranomaly

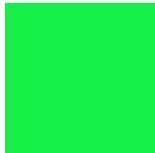
56.2422, 0.3636, 0.4911



Tritanomaly

61.2285, 0.2553, 0.3994

Monochromacy



Original Color

62.9345, 0.2913, 0.5623



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

39.6372, 0.2948, 0.4305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.9345, 0.2913, 0.5623 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(21, 240, 71)` looks like.

```
.text, #text, p{  
    color:rgb(21, 240, 71)  
}
```

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(21, 240, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 240, 71) }
```

Border

The CSS property to change the border of an element to Yxy 62.9345, 0.2913, 0.5623 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(21, 240, 71) }
```

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

```
.border{ border-color:rgb(21, 240, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 240, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 240, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 240, 71);  
box-shadow:4px 4px 4px 4px rgb(21, 240,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 62.9345, 0.2913, 0.5623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 240, 71) }
```

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

```
.background{ background-color: rgb(21, 240,  
71) }
```

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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