

Converting Colors

$Yxy(65.9307, 0.2922, 0.5331)$

Have a look what the booklet for
Yxy(65.9307, 0.2922, 0.5331)
contains.

Yxy(65.9842, 0.2921, 0.5330)	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(65.9842, 0.2921, 0.5330)

Conversions

Conversions Part 1

Format	Color
Hex	3FF35F
RGB	63, 243, 95
RGB Percent	25%, 95%, 37%
CMY	0.7533, 0.0470, 0.6275
CMYK	0.74, 0.00, 0.61, 0.05
HSL	131°, 88%, 60%
HSV	131°, 74%, 95%
XYZ	36.1613, 65.9842, 21.6522
YIQ	172.3080, -59.7720, -84.1880

Conversions

Conversions Part 2

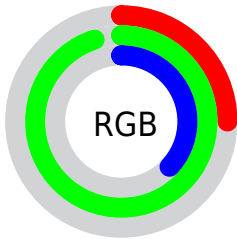
Format	Color
RYB	63, 216, 243
Decimal	4191071
CIELab	84.99, -72.99, 57.38
CIELCh	85, 92.845, 141.828
Yxy	65.9842, 0.2921, 0.5330
Android (android.graphics.Color)	4282381151 (0xFF3FF35F)
YUV	172.3080, -38.1128, -95.8631
Hunter-Lab	81.2307, -62.6911, 41.0576

Details

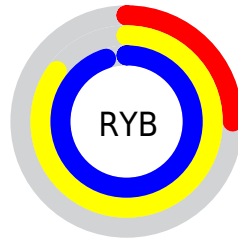
The Yxy color **65.9842, 0.2921, 0.5330** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **27.3023, 0.3556, 0.1923**, and the grayscale version is **41.6272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9562, 0.2994, 0.4597**, and **34.8379, 0.2942, 0.5791** is the 20% darker color. If you saturate the color by 10%, you get **65.0390, 0.2929, 0.5578**, and if you desaturate by 10%, it is **67.3805, 0.2926, 0.5042**.

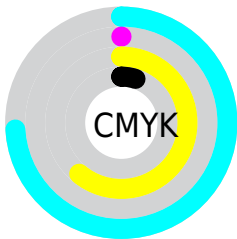
Distribution



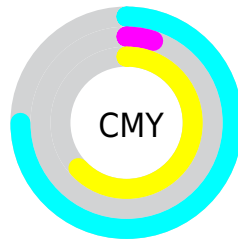
- Red (25%)
- Green (95%)
- Blue (37%)



- Red (25%)
- Yellow (85%)
- Blue (95%)



- Cyan (74%)
- Magenta (0%)
- Yellow (61%)
- Black (5%)




- Cyan (75%)
- Magenta (5%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9842, 0.2921, 0.5330 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 65.9842, 0.2921, 0.5330 by changing the saturation by 10% instead.


 65.9842, 0.2921,
0.5330

 65.9842, 0.2921,
0.5330


446.3204, 0.3084,
0.4287

 48.2596, 0.2862,
0.5586

 113.4637, 0.2994,
0.4952

 34.0325, 0.2778,
0.5907


 143.9873, 0.3017,
0.4809

 22.9186, 0.2651,
0.6318


 179.5460, 0.3036,
0.4688

 14.5334, 0.2453,
0.6848

 220.5243, 0.3050,
0.4585

 8.4926, 0.2166,
0.7649

267.3065, 0.3061,
0.4495

 4.4117, 0.1611,
0.8389

320.2769, 0.3070,

 1.9064, 0.0000,

0.4417

1.0000

379.8201, 0.3078,
0.4348

■ 0.5522, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.9842, 0.2921,
0.5330

■ 65.9842, 0.2921,
0.5330

■ 65.0390, 0.2929,
0.5578

■ 67.3805, 0.2926,
0.5042


■ 64.4791, 0.2947,
0.5771


■ 69.2676, 0.2942,
0.4734


■ 64.2834, 0.2960,
0.5855


■ 71.6895, 0.2967,
0.4424


■ 74.6834, 0.2999,
0.4125

 78.2829, 0.3036,
0.3848

 82.5192, 0.3074,
0.3597

 87.4211, 0.3112,
0.3374

 92.5725, 0.3134,
0.3177

 92.5870, 0.3133,
0.3175

Harmonies

Analogous

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



65.9842, 0.3941, 0.5313



65.9842, 0.2921, 0.5330



65.9842, 0.2006, 0.4299

Triad

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



65.9842, 0.2921, 0.5330



65.9842, 0.1507, 0.1739



65.9842, 0.5114, 0.3130

Complementary

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



65.9842, 0.2921, 0.5330



27.3023, 0.3556, 0.1923

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.



65.9842, 0.4175, 0.2473



65.9842, 0.2921, 0.5330



65.9842, 0.2049, 0.1714

Square

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



65.9842, 0.2921, 0.5330



65.9842, 0.1314, 0.2112



65.9842, 0.2983, 0.1972



65.9842, 0.5318, 0.3859

Rectangle

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



65.9842, 0.2921, 0.5330



65.9842, 0.1592, 0.3382



65.9842, 0.2983, 0.1972



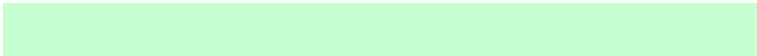
65.9842, 0.4868, 0.2900

Sweetspot

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



65.9869, 0.2921, 0.5330



88.2464, 0.3043, 0.3794



78.6102, 0.3879, 0.5050



18.6315, 0.3033, 0.3866



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.



65.9869, 0.2921, 0.5330



72.1906, 0.2937, 0.5684



68.5790, 0.2553, 0.4107



18.5202, 0.3091, 0.3490



35.2917, 0.2954, 0.5835



3.1150, 0.2897, 0.5628

Inverse Universe

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



27.3023, 0.3556, 0.1923



26.9780, 0.3659, 0.1832



24.0309, 0.4837, 0.2747



16.7147, 0.3165, 0.3098



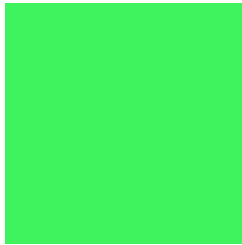
12.7579, 0.3718, 0.1822



1.1343, 0.3643, 0.1781

Previews

White Background



This preview shows how the Yxy color 65.9842, 0.2921, 0.5330 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 65.9842, 0.2921, 0.5330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

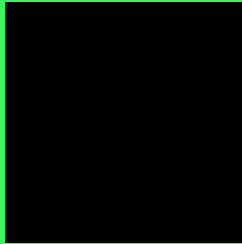
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.9842, 0.2921, 0.5330

Background



This preview shows how black text looks on a background with the Yxy color 65.9842, 0.2921, 0.5330.

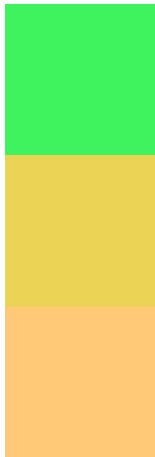


This preview shows how white text looks on a background with the Yxy color 65.9842, 0.2921, 0.5330.

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

65.9842, 0.2921, 0.5330

Protanopia

64.7368, 0.4157, 0.4572

Deuteranopia

64.3652, 0.4189, 0.4119



Tritanopia

65.5854, 0.2388, 0.3068

Trichromacy



Original Color

65.9842, 0.2921, 0.5330



Protanomaly

62.2673, 0.3572, 0.4920



Deuteranomaly

60.5518, 0.3593, 0.4592



Tritanomaly

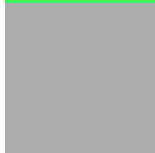
64.4191, 0.2584, 0.3857

Monochromacy



Original Color

65.9842, 0.2921, 0.5330



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

47.3073, 0.3002, 0.4087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9842, 0.2921, 0.5330 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(63, 243, 95)` looks like.

```
.text, #text, p{  
    color:rgb(63, 243, 95)  
}
```

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(63, 243, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 243, 95) }
```

Border

The CSS property to change the border of an element to Yxy 65.9842, 0.2921, 0.5330 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(63, 243, 95) }
```

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

```
.border{ border-color:rgb(63, 243, 95) }
```

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

Here you see how a box with a 4 pixel rgb(63, 243, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 243, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 243, 95);  
box-shadow:4px 4px 4px 4px rgb(63, 243,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9842, 0.2921, 0.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 243, 95) }
```

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

```
.background{ background-color: rgb(63, 243,  
95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor