

Converting Colors

$Yxy(67.4204, 0.2851, 0.5137)$

Have a look what the booklet for
Yxy(67.4204, 0.2851, 0.5137)
contains.

Yxy(67.4353, 0.2853, 0.5138)	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(67.4353, 0.2853, 0.5138)

Conversions

Conversions Part 1

Format	Color
Hex	3CF570
RGB	60, 245, 112
RGB Percent	24%, 96%, 44%
CMY	0.7642, 0.0392, 0.5608
CMYK	0.75, 0.00, 0.54, 0.04
HSL	137°, 90%, 60%
HSV	137°, 75%, 96%
XYZ	37.4451, 67.4353, 26.3678
YIQ	174.5230, -67.5670, -80.5830

Conversions

Conversions Part 2

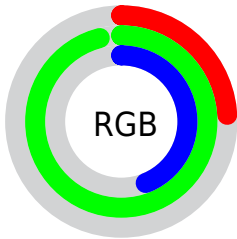
Format	Color
R _{YB}	60, 204, 245
Decimal	3994992
CIE Lab	85.72, -71.92, 50.72
CIE LCh	86, 88.009, 144.807
Yxy	67.4353, 0.2853, 0.5138
Android (android.graphics.Color)	4282185072 (0xFF3CF570)
YUV	174.5230, -30.8238, -100.4367
Hunter-Lab	82.1190, -62.3148, 38.4458

Details

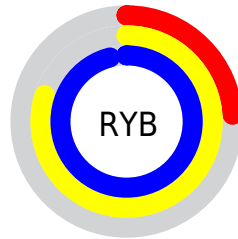
The Yxy color **67.4353, 0.2853, 0.5138** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **26.5125, 0.3807, 0.2063**, and the grayscale version is **42.8167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3415, 0.2908, 0.4397**, and **35.8564, 0.2878, 0.5559** is the 20% darker color. If you saturate the color by 10%, you get **66.4870, 0.2866, 0.5382**, and if you desaturate by 10%, it is **68.8190, 0.2856, 0.4870**.

Distribution



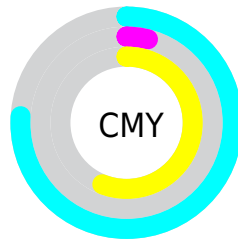
- Red (24%)
- Green (96%)
- Blue (44%)



- Red (24%)
- Yellow (80%)
- Blue (96%)



- Cyan (75%)
- Magenta (0%)
- Yellow (54%)
- Black (4%)





- Cyan (76%)
- Magenta (4%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.4353, 0.2853, 0.5138 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 67.4353, 0.2853, 0.5138 by changing the saturation by 10% instead.

 67.4353, 0.2853,
0.5138

 67.4353, 0.2853,
0.5138


451.4927, 0.3034,
0.4195

 49.4385, 0.2795,
0.5372


 115.5439, 0.2928,
0.4795

 34.9674, 0.2715,
0.5667


 146.4245, 0.2954,
0.4666

 23.6378, 0.2598,
0.6050


 182.3685, 0.2974,
0.4557

 15.0651, 0.2421,
0.6556

 223.7602, 0.2991,
0.4463

 8.8651, 0.2139,
0.7240

270.9841, 0.3005,
0.4383

 4.6533, 0.1704,
0.8296

324.4245, 0.3016,

 2.0453, 0.0000,

0.4312

1.0000

384.4659, 0.3026,
0.4250

■ 0.6336, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.4353, 0.2853,
0.5138

■ 67.4353, 0.2853,
0.5138

■ 66.4870, 0.2866,
0.5382

■ 68.8190, 0.2856,
0.4870

■ 65.9082, 0.2894,
0.5589

■ 70.6770, 0.2875,
0.4591


■ 65.7305, 0.2908,
0.5669

■ 73.0529, 0.2906,
0.4315


■ 75.9831, 0.2947,
0.4052

 79.5004, 0.2995,
0.3808

 83.6352, 0.3046,
0.3586

 88.4158, 0.3098,
0.3388

 93.6558, 0.3144,
0.3213

 93.7841, 0.3132,
0.3194

Harmonies

Analogous

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



67.4353, 0.3830, 0.5247



67.4353, 0.2853, 0.5138



67.4353, 0.2000, 0.4109

Triad

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



67.4353, 0.2853, 0.5138



67.4353, 0.1614, 0.1795



67.4353, 0.5056, 0.3219

Complementary

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



67.4353, 0.2853, 0.5138



26.5125, 0.3807, 0.2063

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.



67.4353, 0.4225, 0.2573



67.4353, 0.2853, 0.5138



67.4353, 0.2175, 0.1796

Square

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



67.4353, 0.2853, 0.5138



67.4353, 0.1396, 0.2123



67.4353, 0.3102, 0.2069



67.4353, 0.5190, 0.3932

Rectangle

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



67.4353, 0.2853, 0.5138



67.4353, 0.1625, 0.3267



67.4353, 0.3102, 0.2069



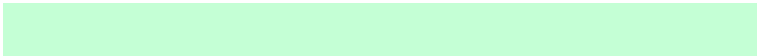
67.4353, 0.4845, 0.2994

Sweetspot

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



67.4381, 0.2853, 0.5138



88.0970, 0.3007, 0.3752



77.3268, 0.3750, 0.5164



18.5289, 0.2989, 0.3836



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.



67.4381, 0.2853, 0.5138



72.4071, 0.2880, 0.5506



70.5261, 0.2472, 0.3860



18.5485, 0.3077, 0.3465



35.4310, 0.2901, 0.5642



3.1309, 0.2833, 0.5398

Inverse Universe

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



26.5125, 0.3807, 0.2063



25.5840, 0.3992, 0.2009



23.6409, 0.5176, 0.2932



16.6843, 0.3181, 0.3121



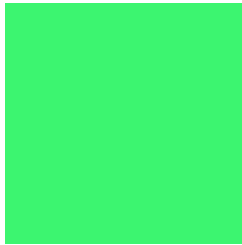
12.1770, 0.4074, 0.2018



1.0877, 0.3940, 0.1944

Previews

White Background



This preview shows how the Yxy color 67.4353, 0.2853, 0.5138 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 67.4353, 0.2853, 0.5138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

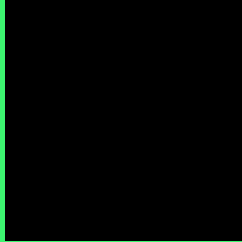
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.4353, 0.2853, 0.5138

Background



This preview shows how black text looks on a background with the Yxy color 67.4353, 0.2853, 0.5138.

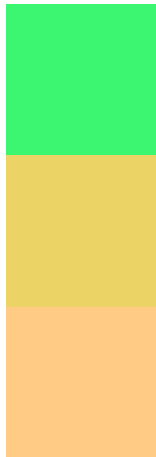


This preview shows how white text looks on a background with the Yxy color 67.4353, 0.2853, 0.5138.

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

67.4353, 0.2853, 0.5138

Protanopia

65.6887, 0.4074, 0.4449

Deuteranopia

65.6653, 0.4079, 0.4008



Tritanopia

66.7482, 0.2374, 0.3057

Trichromacy



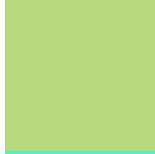
Original Color

67.4353, 0.2853, 0.5138



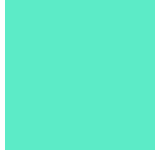
Protanomaly

62.9892, 0.3483, 0.4769



Deuteranomaly

61.8138, 0.3489, 0.4443



Tritanomaly

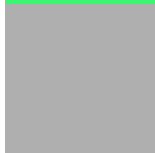
65.8155, 0.2544, 0.3769

Monochromacy



Original Color

67.4353, 0.2853, 0.5138



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

48.5621, 0.2957, 0.3989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4353, 0.2853, 0.5138 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(60, 245, 112)` looks like.

```
.text, #text, p{  
    color:rgb(60, 245, 112)  
}
```

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(60, 245, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 245, 112) }
```

Border

The CSS property to change the border of an element to Yxy 67.4353, 0.2853, 0.5138 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(60, 245, 112) }
```

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

```
.border{ border-color:rgb(60, 245, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 245, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 245, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 245, 112);  
box-shadow:4px 4px 4px 4px rgb(60, 245,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4353, 0.2853, 0.5138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 245, 112) }
```

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

```
.background{ background-color: rgb(60, 245,  
112) }
```

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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