

Converting Colors

$Y_{xy}(57.9007, 0.3051, 0.5535)$

Have a look what the booklet for
Yxy(57.9007, 0.3051, 0.5535)
contains.

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Color

Yxy(57.9397, 0.3051, 0.5535)

Conversions

Conversions Part 1

Format	Color
Hex	4BE543
RGB	75, 229, 67
RGB Percent	29%, 90%, 26%
CMY	0.7056, 0.1020, 0.7375
CMYK	0.67, 0.00, 0.71, 0.10
HSL	117°, 76%, 58%
HSV	117°, 71%, 90%
XYZ	31.9375, 57.9397, 14.8016
YIQ	164.4860, -39.7820, -83.0300

Conversions

Conversions Part 2

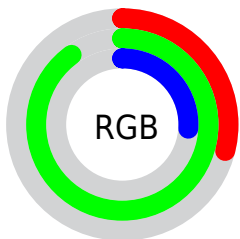
Format	Color
RYB	67, 229, 221
Decimal	4973891
CIELab	80.71, -69.22, 63.90
CIElCh	81, 94.206, 137.292
Yxy	57.9397, 0.3051, 0.5535
Android (android.graphics.Color)	4283163971 (0xFF4BE543)
YUV	164.4860, -48.0606, -78.4792
Hunter-Lab	76.1181, -58.3121, 41.7534

Details

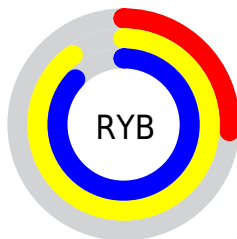
The Yxy color **57.9397, 0.3051, 0.5535** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **25.0167, 0.3114, 0.1696**, and the grayscale version is **37.6256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7008, 0.3147, 0.4905**, and **29.5050, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.9864, 0.3034, 0.5770**, and if you desaturate by 10%, it is **59.3062, 0.3068, 0.5233**.

Distribution



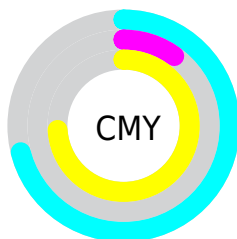
- Red (29%)
- Green (90%)
- Blue (26%)



- Red (26%)
- Yellow (90%)
- Blue (87%)



- Cyan (67%)
- Magenta (0%)
- Yellow (71%)
- Black (10%)





- Cyan (71%)
- Magenta (10%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.9397, 0.3051, 0.5535 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 57.9397, 0.3051, 0.5535 by changing the saturation by 10% instead.


 57.9397, 0.3051,
0.5535


 57.9397, 0.3051,
0.5535


416.9612, 0.3174,
0.4374

 41.7602, 0.2992,
0.5819

 101.8350, 0.3117,
0.5113

 28.9135, 0.2899,
0.6173

 130.3196, 0.3136,
0.4954


 19.0154, 0.2752,
0.6616


 163.6747, 0.3148,
0.4819

 11.6814, 0.2522,
0.7206

 202.2847, 0.3158,
0.4704

 6.5271, 0.2117,
0.7883

 246.5339, 0.3164,
0.4605

 3.1682, 0.1337,
0.8663

296.8068, 0.3169,

 1.2202, 0.0000,

0.4518

1.0000

353.4878, 0.3172,
0.4441

■ 0.0781, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.9397, 0.3051,
0.5535

■ 57.9397, 0.3051,
0.5535

■ 56.9864, 0.3034,
0.5770

■ 59.3062, 0.3068,
0.5233


■ 56.3934, 0.3018,
0.5922

■ 61.1175, 0.3084,
0.4891


■ 56.1128, 0.3008,
0.5993


■ 63.4105, 0.3097,
0.4535


■ 66.2162, 0.3108,
0.4187

 69.5630, 0.3116,
0.3862

 73.4774, 0.3123,
0.3568

 77.9839, 0.3127,
0.3308

 83.1057, 0.3130,
0.3082

 84.5183, 0.3139,
0.3039

Harmonies

Analogous

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



57.9397, 0.4108, 0.5325



57.9397, 0.3051, 0.5535



57.9397, 0.2064, 0.4584

Triad

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



57.9397, 0.3051, 0.5535



57.9397, 0.1387, 0.1701



57.9397, 0.5121, 0.2998

Complementary

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



57.9397, 0.3051, 0.5535



25.0167, 0.3114, 0.1696

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.



57.9397, 0.4042, 0.2339



57.9397, 0.3051, 0.5535



57.9397, 0.1885, 0.1632

Square

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



57.9397, 0.3051, 0.5535



57.9397, 0.1237, 0.2145



57.9397, 0.2797, 0.1856



57.9397, 0.5449, 0.3737

Rectangle

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



57.9397, 0.3051, 0.5535



57.9397, 0.1594, 0.3592



57.9397, 0.2797, 0.1856



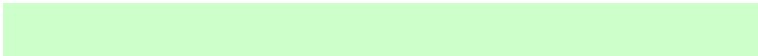
57.9397, 0.4824, 0.2766

Sweetspot

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



57.9421, 0.3051, 0.5535



88.6151, 0.3116, 0.3873



67.3071, 0.4146, 0.4775



18.6996, 0.3114, 0.3961



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.



57.9421, 0.3051, 0.5535



72.3177, 0.3026, 0.5853



59.0409, 0.2741, 0.4642



16.1235, 0.3123, 0.3532



32.0979, 0.3011, 0.5991



2.3842, 0.3043, 0.5966

Inverse Universe

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



25.0167, 0.3114, 0.1696



27.8772, 0.3099, 0.1540



23.1617, 0.4107, 0.2345



14.5764, 0.3130, 0.3058



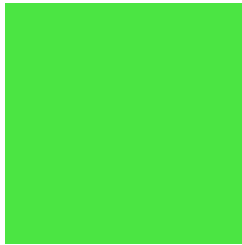
11.7295, 0.3084, 0.1473



0.8782, 0.3104, 0.1483

Previews

White Background



This preview shows how the Yxy color 57.9397, 0.3051, 0.5535 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 57.9397, 0.3051, 0.5535 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

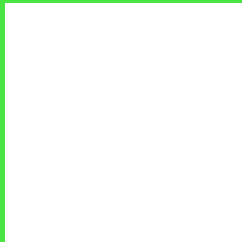
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.9397, 0.3051, 0.5535

Background



This preview shows how black text looks on a background with the Yxy color 57.9397, 0.3051, 0.5535.



This preview shows how white text looks on a background with the Yxy color 57.9397, 0.3051, 0.5535.

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

57.9397, 0.3051, 0.5535

Protanopia

56.8506, 0.4272, 0.4703

Deuteranopia

56.7634, 0.4448, 0.4350



Tritanopia

57.5757, 0.2435, 0.3070

Trichromacy



Original Color

57.9397, 0.3051, 0.5535



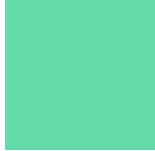
Protanomaly

54.8760, 0.3723, 0.5073



Deuteranomaly

53.8979, 0.3825, 0.4832



Tritanomaly

56.3700, 0.2683, 0.3975

Monochromacy



Original Color

57.9397, 0.3051, 0.5535



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

42.4570, 0.3108, 0.4194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9397, 0.3051, 0.5535 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(75, 229, 67)` looks like.

```
.text, #text, p{  
    color:rgb(75, 229, 67)  
}
```

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(75, 229, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 229, 67) }
```

Border

The CSS property to change the border of an element to Yxy 57.9397, 0.3051, 0.5535 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(75, 229, 67) }
```

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

```
.border{ border-color:rgb(75, 229, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 229, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 229, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 229, 67);  
box-shadow:4px 4px 4px 4px rgb(75, 229,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9397, 0.3051, 0.5535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 229, 67) }
```

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

```
.background{ background-color: rgb(75, 229,  
67) }
```

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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