

Converting Colors

$Y_{xy}(40.4999, 0.2875, 0.5464)$

Have a look what the booklet for
Yxy(40.4999, 0.2875, 0.5464)
contains.

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Color

Yxy(40.5006, 0.2874, 0.5463)

Conversions

Conversions Part 1

Format	Color
Hex	13C545
RGB	19, 197, 69
RGB Percent	7%, 77%, 27%
CMY	0.9263, 0.2274, 0.7293
CMYK	0.90, 0.00, 0.65, 0.23
HSL	137°, 83%, 42%
HSV	137°, 90%, 77%
XYZ	21.3067, 40.5006, 12.3288
YIQ	129.1860, -65.0000, -77.5440

Conversions

Conversions Part 2

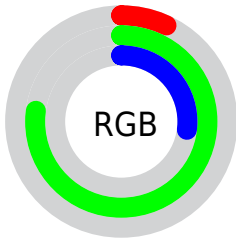
Format	Color
RYB	19, 158, 197
Decimal	1295685
CIELab	69.82, -66.20, 51.22
CIElCh	70, 83.697, 142.271
Yxy	40.5006, 0.2874, 0.5463
Android (android.graphics.Color)	4279485765 (0xFF13C545)
YUV	129.1860, -29.6717, -96.6331
Hunter-Lab	63.6401, -51.6082, 33.0619

Details

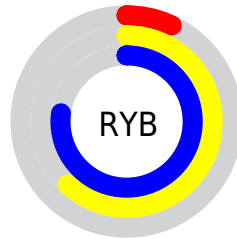
The Yxy color **40.5006, 0.2874, 0.5463** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **14.4301, 0.3974, 0.2012**, and the grayscale version is **22.1256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9284, 0.2973, 0.5005**, and **19.0629, 0.2990, 0.5963** is the 20% darker color. If you saturate the color by 10%, you get **40.2167, 0.2901, 0.5645**, and if you desaturate by 10%, it is **40.9847, 0.2855, 0.5235**.

Distribution



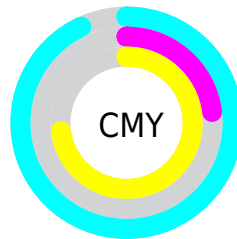
- Red (7%)
- Green (77%)
- Blue (27%)



- Red (7%)
- Yellow (62%)
- Blue (77%)



- Cyan (90%)
- Magenta (0%)
- Yellow (65%)
- Black (23%)




- Cyan (93%)
- Magenta (23%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5006, 0.2874, 0.5463 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 40.5006, 0.2874, 0.5463 by changing the saturation by 10% instead.

 40.5006, 0.2874,
0.5463


 40.5006, 0.2874,
0.5463


348.2290, 0.3078,
0.4260

 27.9291, 0.2791,
0.5790


 75.9252, 0.2970,
0.5002


 18.2722, 0.2663,
0.6218


 99.5471, 0.3000,
0.4836

 11.1456, 0.2457,
0.6786


 127.6212, 0.3022,
0.4698

 6.1648, 0.2179,
0.7802

 160.5319, 0.3039,
0.4582

 2.9456, 0.1376,
0.8624

 198.6637, 0.3052,
0.4483

 1.1034, 0.0000,
1.0000

242.4008, 0.3062,

 0.0000, 0.0000,

0.4398

0.0000

292.1278, 0.3071,
0.4325

■ 40.5006, 0.2874,
0.5463

■ 40.5006, 0.2874,
0.5463

■ 40.2167, 0.2901,
0.5645

■ 40.9847, 0.2855,
0.5235

■ 41.7106, 0.2852,
0.4978

■ 42.7096, 0.2865,
0.4706

■ 44.0072, 0.2891,
0.4432

■ 45.6256, 0.2927,
0.4166

■ 47.5851, 0.2972,
0.3916

■ 49.9042, 0.3021,
0.3687

■ 52.5999, 0.3073,
0.3481

■ 55.6883, 0.3125,
0.3298

Harmonies

Analogous

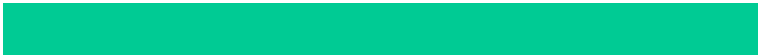
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.5006, 0.3939, 0.5422



40.5006, 0.2874, 0.5463



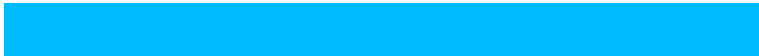
40.5006, 0.1927, 0.4343

Triad

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



40.5006, 0.2874, 0.5463



40.5006, 0.1443, 0.1666



40.5006, 0.5239, 0.3116

Complementary

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



40.5006, 0.2874, 0.5463



14.4301, 0.3974, 0.2012

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.



40.5006, 0.4253, 0.2439



40.5006, 0.2874, 0.5463



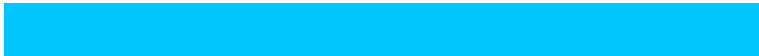
40.5006, 0.2005, 0.1648

Square

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



40.5006, 0.2874, 0.5463



40.5006, 0.1238, 0.2037



40.5006, 0.2987, 0.1918



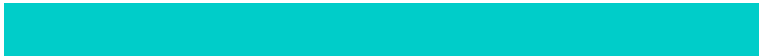
40.5006, 0.5423, 0.3867

Rectangle

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



40.5006, 0.2874, 0.5463



40.5006, 0.1507, 0.3356



40.5006, 0.2987, 0.1918



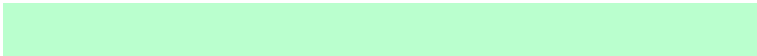
40.5006, 0.4984, 0.2880

Sweetspot

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



40.5023, 0.2874, 0.5463



86.4125, 0.2986, 0.3844



46.4175, 0.3750, 0.5345



18.2057, 0.2970, 0.3926



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.



40.5023, 0.2874, 0.5463



71.9862, 0.2908, 0.5670



42.4531, 0.2455, 0.3981



11.9362, 0.3078, 0.3460



26.4627, 0.2895, 0.5623



1.2657, 0.2774, 0.5187

Inverse Universe

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



14.4301, 0.3974, 0.2012



24.6843, 0.4099, 0.2032



12.6607, 0.5701, 0.2997



10.7637, 0.3180, 0.3126



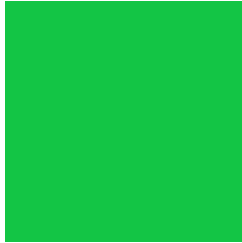
9.0968, 0.4069, 0.2015



0.4427, 0.3850, 0.1895

Previews

White Background



This preview shows how the Yxy color 40.5006, 0.2874, 0.5463 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 40.5006, 0.2874, 0.5463 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 40.5006, 0.2874, 0.5463

Background



This preview shows how black text looks on a background with the Yxy color 40.5006, 0.2874, 0.5463.



This preview shows how white text looks on a background with the Yxy color 40.5006, 0.2874, 0.5463.

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

40.5006, 0.2874, 0.5463

Protanopia

39.5317, 0.4203, 0.4613

Deuteranopia

39.6242, 0.4343, 0.4251



Tritanopia

40.1538, 0.2352, 0.3062

Trichromacy



Original Color

40.5006, 0.2874, 0.5463



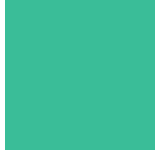
Protanomaly

37.1224, 0.3506, 0.5045



Deuteranomaly

36.3694, 0.3584, 0.4783



Tritanomaly

39.5617, 0.2532, 0.3911

Monochromacy



Original Color

40.5006, 0.2874, 0.5463



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.2966, 0.2926, 0.4198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5006, 0.2874, 0.5463 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(19, 197, 69)` looks like.

```
.text, #text, p{  
    color:rgb(19, 197, 69)  
}
```

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(19, 197, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 197, 69) }
```

Border

The CSS property to change the border of an element to Yxy 40.5006, 0.2874, 0.5463 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(19, 197, 69) }
```

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

```
.border{ border-color:rgb(19, 197, 69) }
```

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

Here you see how a box with a 4 pixel rgb(19, 197, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 197, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 197, 69);  
box-shadow:4px 4px 4px 4px rgb(19, 197,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5006, 0.2874, 0.5463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 197, 69) }
```

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

```
.background{ background-color: rgb(19, 197,  
69) }
```

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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