

Converting Colors

$Yxy(40.9747, 0.3054, 0.5485)$

Have a look what the booklet for
Yxy(40.9747, 0.3054, 0.5485)
contains.

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Color

Yxy(40.9644, 0.3051, 0.5480)

Conversions

Conversions Part 1

Format	Color
Hex	42C43C
RGB	66, 196, 60
RGB Percent	26%, 77%, 24%
CMY	0.7408, 0.2314, 0.7647
CMYK	0.66, 0.00, 0.69, 0.23
HSL	117°, 54%, 50%
HSV	117°, 69%, 77%
XYZ	22.8070, 40.9644, 10.9812
YIQ	141.6260, -33.8240, -69.8560

Conversions

Conversions Part 2

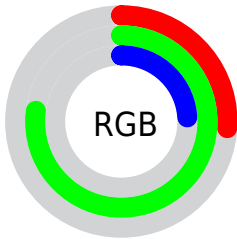
Format	Color
RYB	60, 196, 190
Decimal	4375612
CIELab	70.15, -60.64, 55.44
CIElCh	70, 82.162, 137.563
Yxy	40.9644, 0.3051, 0.5480
Android (android.graphics.Color)	4282565692 (0xFF42C43C)
YUV	141.6260, -40.2416, -66.3240
Hunter-Lab	64.0034, -48.3993, 34.6299

Details

The Yxy color **40.9644, 0.3051, 0.5480** 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 **18.1556, 0.3125, 0.1730**, and the grayscale version is **27.0775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8444, 0.3121, 0.5030**, and **19.0498, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.2475, 0.3034, 0.5729**, and if you desaturate by 10%, it is **41.9744, 0.3068, 0.5170**.

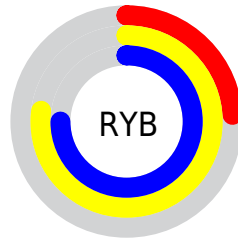
Distribution



Red (26%)

Green (77%)

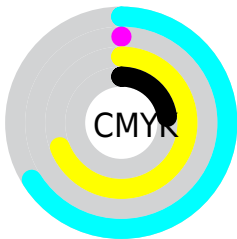
Blue (24%)



Red (24%)

Yellow (77%)

Blue (75%)

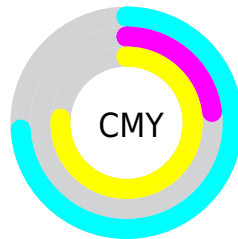


Cyan (66%)

Magenta (0%)

Yellow (69%)

Black (23%)



Cyan (74%)

Magenta (23%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9644, 0.3051, 0.5480 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 40.9644, 0.3051, 0.5480 by changing the saturation by 10% instead.


 40.9644, 0.3051,
0.5480


 40.9644, 0.3051,
0.5480


350.1718, 0.3171,
0.4282


 28.2913, 0.2986,
0.5797


 76.6298, 0.3119,
0.5027


 18.5453, 0.2878,
0.6205


 100.3910, 0.3137,
0.4861


 11.3422, 0.2694,
0.6734


 128.6168, 0.3149,
0.4724

 6.2975, 0.2420,
0.7580

 161.6919, 0.3157,
0.4607

 3.0268, 0.1746,
0.8254

 200.0005, 0.3163,
0.4508

 1.1457, 0.0000,
1.0000

243.9271, 0.3167,

 0.0167, 0.0000,

0.4422

1.0000

293.8561, 0.3169,
0.4348

 0.0000, 0.0000,
0.0000


 40.9644, 0.3051,
0.5480

 40.9644, 0.3051,
0.5480


 40.2475, 0.3034,
0.5729

 41.9744, 0.3068,
0.5170

 39.7878, 0.3019,
0.5898


 43.2988, 0.3083,
0.4826

 39.5450, 0.3009,
0.5988

 44.9625, 0.3096,
0.4473

 39.5349, 0.3009,
0.5993

 46.9868, 0.3107,
0.4131

 49.3911, 0.3116,
0.3814

■ 52.1935, 0.3123,
0.3528

■ 55.4109, 0.3127,
0.3275

■ 59.0592, 0.3131,
0.3055

■ 63.1535, 0.3133,
0.2865

Harmonies

Analogous

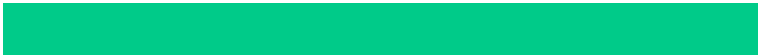
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.9644, 0.4093, 0.5298



40.9644, 0.3051, 0.5480



40.9644, 0.2079, 0.4541

Triad

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



40.9644, 0.3051, 0.5480



40.9644, 0.1416, 0.1724



40.9644, 0.5088, 0.3014

Complementary

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



40.9644, 0.3051, 0.5480



18.1556, 0.3125, 0.1730

Split Complementary

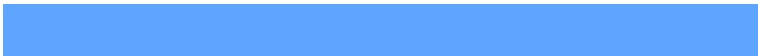
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.9644, 0.4036, 0.2361



40.9644, 0.3051, 0.5480



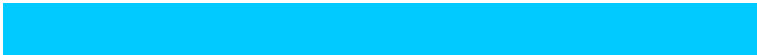
40.9644, 0.1912, 0.1657

Square

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



40.9644, 0.3051, 0.5480



40.9644, 0.1265, 0.2162



40.9644, 0.2815, 0.1881



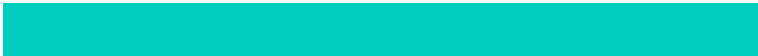
40.9644, 0.5407, 0.3747

Rectangle

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



40.9644, 0.3051, 0.5480



40.9644, 0.1617, 0.3576



40.9644, 0.2815, 0.1881



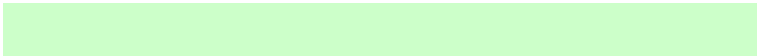
40.9644, 0.4798, 0.2785

Sweetspot

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



40.9661, 0.3051, 0.5480



88.5734, 0.3114, 0.3873



48.5419, 0.4108, 0.4768



18.6899, 0.3112, 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.



40.9661, 0.3051, 0.5480



72.4486, 0.3027, 0.5823



41.8250, 0.2731, 0.4556



11.2798, 0.3123, 0.3527



25.4139, 0.3011, 0.5991



1.1056, 0.3053, 0.5958

Inverse Universe

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



18.1556, 0.3125, 0.1730



28.4837, 0.3113, 0.1562



16.7123, 0.4105, 0.2387



10.2239, 0.3131, 0.3063



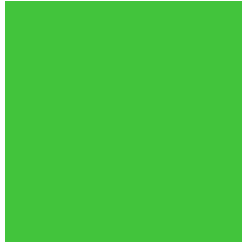
9.3792, 0.3099, 0.1481



0.4124, 0.3125, 0.1495

Previews

White Background



This preview shows how the Yxy color 40.9644, 0.3051, 0.5480 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 40.9644, 0.3051, 0.5480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

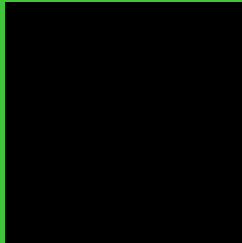
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9644, 0.3051, 0.5480

Background



This preview shows how black text looks on a background with the Yxy color 40.9644, 0.3051, 0.5480.



This preview shows how white text looks on a background with the Yxy color 40.9644, 0.3051, 0.5480.

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

40.9644, 0.3051, 0.5480

Protanopia

40.0829, 0.4256, 0.4673

Deuteranopia

40.1574, 0.4411, 0.4326



Tritanopia

40.7109, 0.2447, 0.3066

Trichromacy



Original Color

40.9644, 0.3051, 0.5480



Protanomaly

38.6367, 0.3725, 0.5017



Deuteranomaly

37.9586, 0.3812, 0.4778



Tritanomaly

40.1793, 0.2685, 0.3944

Monochromacy



Original Color

40.9644, 0.3051, 0.5480



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.5879, 0.3104, 0.4167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9644, 0.3051, 0.5480 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(66, 196, 60)` looks like.

```
.text, #text, p{  
    color:rgb(66, 196, 60)  
}
```

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(66, 196, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 196, 60) }
```

Border

The CSS property to change the border of an element to Yxy 40.9644, 0.3051, 0.5480 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(66, 196, 60) }
```

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

```
.border{ border-color:rgb(66, 196, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 196, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 196, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 196, 60);  
box-shadow:4px 4px 4px 4px rgb(66, 196,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9644, 0.3051, 0.5480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 196, 60) }
```

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

```
.background{ background-color: rgb(66, 196,  
60) }
```

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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