

Converting Colors

$Y_{xy}(41.5372, 0.2912, 0.5319)$

Have a look what the booklet for
Yxy(41.5372, 0.2912, 0.5319)
contains.

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Color

Yxy(41.5524, 0.2911, 0.5317)

Conversions

Conversions Part 1

Format	Color
Hex	30C64D
RGB	48, 198, 77
RGB Percent	19%, 78%, 30%
CMY	0.8122, 0.2235, 0.6979
CMYK	0.76, 0.00, 0.61, 0.22
HSL	132°, 61%, 48%
HSV	132°, 76%, 78%
XYZ	22.7495, 41.5524, 13.8482
YIQ	139.3560, -50.5590, -69.4310

Conversions

Conversions Part 2

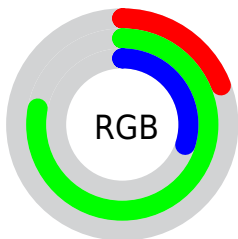
Format	Color
RYB	48, 174, 198
Decimal	3196493
CIELab	70.56, -62.67, 48.66
CIELCh	71, 79.343, 142.168
Yxy	41.5524, 0.2911, 0.5317
Android (android.graphics.Color)	4281386573 (0xFF30C64D)
YUV	139.3560, -30.7415, -80.1192
Hunter-Lab	64.4612, -49.8112, 32.3855

Details

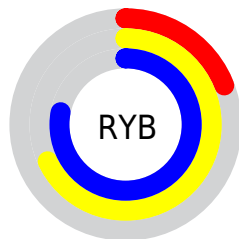
The Yxy color **41.5524, 0.2911, 0.5317** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **16.9712, 0.3597, 0.1939**, and the grayscale version is **26.0885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9136, 0.2992, 0.4883**, and **19.6991, 0.2960, 0.5855** is the 20% darker color. If you saturate the color by 10%, you get **40.9780, 0.2920, 0.5560**, and if you desaturate by 10%, it is **42.4001, 0.2914, 0.5037**.

Distribution



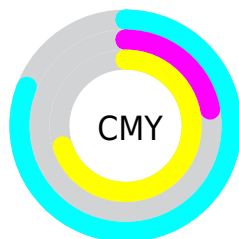
- Red (19%)
- Green (78%)
- Blue (30%)



- Red (19%)
- Yellow (68%)
- Blue (78%)



- Cyan (76%)
- Magenta (0%)
- Yellow (61%)
- Black (22%)




- Cyan (81%)
- Magenta (22%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5524, 0.2911, 0.5317 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 41.5524, 0.2911, 0.5317 by changing the saturation by 10% instead.


 41.5524, 0.2911,
0.5317

 41.5524, 0.2911,
0.5317


352.6241, 0.3086,
0.4201

 28.7510, 0.2840,
0.5620


 77.5217, 0.2994,
0.4891


 18.8925, 0.2731,
0.6018


 101.4585, 0.3019,
0.4737

 11.5926, 0.2553,
0.6550


 129.8757, 0.3038,
0.4609

 6.4669, 0.2286,
0.7392

 163.1579, 0.3052,
0.4501

 3.1310, 0.1683,
0.8317

 201.6895, 0.3063,
0.4409

 1.2005, 0.0000,
1.0000

245.8548, 0.3072,

 0.0621, 0.0000,

0.4330

1.0000

296.0382, 0.3080,
0.4262

■ 0.0000, 0.0000,
0.0000

■ 41.5524, 0.2911,
0.5317

■ 41.5524, 0.2911,
0.5317

■ 40.9780, 0.2920,
0.5560

■ 42.4001, 0.2914,
0.5037

■ 40.6360, 0.2940,
0.5751

■ 43.5450, 0.2930,
0.4738

■ 40.5350, 0.2949,
0.5816

■ 45.0142, 0.2955,
0.4436

■ 46.8302, 0.2988,
0.4144

■ 49.0133, 0.3025,
0.3873

■ 51.5827, 0.3064,
0.3626

■ 54.5557, 0.3104,
0.3406

■ 57.9489, 0.3143,
0.3212

■ 61.7779, 0.3181,
0.3043

Harmonies

Analogous

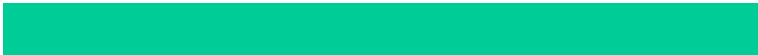
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.5524, 0.3930, 0.5313



41.5524, 0.2911, 0.5317



41.5524, 0.2001, 0.4280

Triad

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



41.5524, 0.2911, 0.5317



41.5524, 0.1515, 0.1741



41.5524, 0.5116, 0.3139

Complementary

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



41.5524, 0.2911, 0.5317



16.9712, 0.3597, 0.1939

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.



41.5524, 0.4186, 0.2482



41.5524, 0.2911, 0.5317



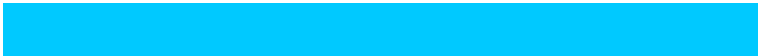
41.5524, 0.2060, 0.1719

Square

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



41.5524, 0.2911, 0.5317



41.5524, 0.1318, 0.2109



41.5524, 0.2997, 0.1979



41.5524, 0.5310, 0.3868

Rectangle

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



41.5524, 0.2911, 0.5317



41.5524, 0.1591, 0.3367



41.5524, 0.2997, 0.1979



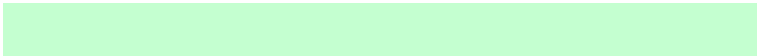
41.5524, 0.4873, 0.2909

Sweetspot

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



41.5541, 0.2911, 0.5317



87.8439, 0.3034, 0.3810



49.2050, 0.3860, 0.5077



18.4690, 0.3020, 0.3904



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.



41.5541, 0.2911, 0.5317



72.1189, 0.2932, 0.5692



43.2350, 0.2539, 0.4072



11.9210, 0.3090, 0.3481



26.3680, 0.2944, 0.5797



1.2589, 0.2837, 0.5412

Inverse Universe

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



16.9712, 0.3597, 0.1939



26.5214, 0.3720, 0.1855



14.9457, 0.4913, 0.2778



10.7799, 0.3167, 0.3106



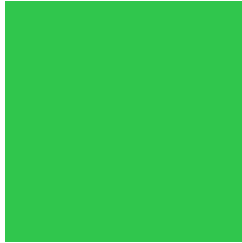
9.4604, 0.3765, 0.1848



0.4573, 0.3629, 0.1773

Previews

White Background



This preview shows how the Yxy color 41.5524, 0.2911, 0.5317 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 41.5524, 0.2911, 0.5317 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 41.5524, 0.2911, 0.5317

Background



This preview shows how black text looks on a background with the Yxy color 41.5524, 0.2911, 0.5317.



This preview shows how white text looks on a background with the Yxy color 41.5524, 0.2911, 0.5317.

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

41.5524, 0.2911, 0.5317

Protanopia

40.6319, 0.4158, 0.4552

Deuteranopia

40.5841, 0.4283, 0.4199



Tritanopia

41.5085, 0.2387, 0.3066

Trichromacy



Original Color

41.5524, 0.2911, 0.5317



Protanomaly

39.0046, 0.3564, 0.4906



Deuteranomaly

38.2545, 0.3636, 0.4660



Tritanomaly

40.7231, 0.2579, 0.3845

Monochromacy



Original Color

41.5524, 0.2911, 0.5317



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.4667, 0.3001, 0.4081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5524, 0.2911, 0.5317 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(48, 198, 77)` looks like.

```
.text, #text, p{  
    color:rgb(48, 198, 77)  
}
```

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(48, 198, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 198, 77) }
```

Border

The CSS property to change the border of an element to Yxy 41.5524, 0.2911, 0.5317 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(48, 198, 77) }
```

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

```
.border{ border-color:rgb(48, 198, 77) }
```

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

Here you see how a box with a 4 pixel rgb(48, 198, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 198, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 198, 77);  
box-shadow:4px 4px 4px 4px rgb(48, 198,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5524, 0.2911, 0.5317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 198, 77) }
```

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

```
.background{ background-color: rgb(48, 198,  
77) }
```

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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