

Converting Colors

$Y_{xy}(42.9761, 0.2846, 0.5350)$

Have a look what the booklet for
Yxy(42.9761, 0.2846, 0.5350)
contains.

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Color

Yxy(42.9761, 0.2846, 0.5350)

Conversions

Conversions Part 1

Format	Color
Hex	16CA4F
RGB	22, 202, 79
RGB Percent	9%, 79%, 31%
CMY	0.9141, 0.2078, 0.6901
CMYK	0.89, 0.00, 0.61, 0.21
HSL	139°, 80%, 44%
HSV	139°, 89%, 79%
XYZ	22.8617, 42.9761, 14.4914
YIQ	134.1580, -67.7970, -76.4130

Conversions

Conversions Part 2

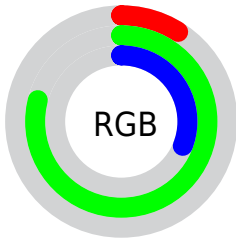
Format	Color
R _Y B	22, 159, 202
Decimal	1493583
CIE Lab	71.54, -66.37, 48.82
CIE LCh	72, 82.389, 143.665
Yxy	42.9761, 0.2846, 0.5350
Android (android.graphics.Color)	4279683663 (0xFF16CA4F)
YUV	134.1580, -27.1929, -98.3626
Hunter-Lab	65.5562, -52.4742, 32.7831

Details

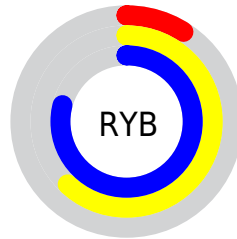
The Yxy color **42.9761, 0.2846, 0.5350** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **15.1683, 0.4074, 0.2077**, and the grayscale version is **24.0131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3117, 0.2940, 0.4878**, and **20.6237, 0.2953, 0.5832** is the 20% darker color. If you saturate the color by 10%, you get **42.6388, 0.2876, 0.5549**, and if you desaturate by 10%, it is **43.5251, 0.2829, 0.5119**.

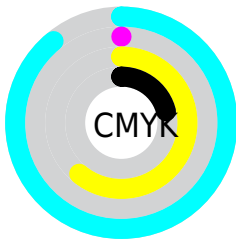
Distribution



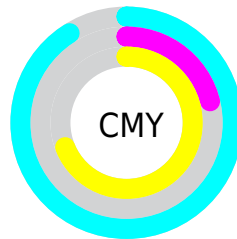
- Red (9%)
- Green (79%)
- Blue (31%)



- Red (9%)
- Yellow (62%)
- Blue (79%)



- Cyan (89%)
- Magenta (0%)
- Yellow (61%)
- Black (21%)





- Cyan (91%)
- Magenta (21%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9761, 0.2846, 0.5350 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 42.9761, 0.2846, 0.5350 by changing the saturation by 10% instead.

 42.9761, 0.2846,
0.5350


 42.9761, 0.2846,
0.5350


358.5135, 0.3054,
0.4218


 29.8664, 0.2767,
0.5657


 79.6748, 0.2940,
0.4918


 19.7372, 0.2649,
0.6058


 104.0325, 0.2970,
0.4762


 12.2041, 0.2463,
0.6596


 132.9084, 0.2993,
0.4632

 6.8829, 0.2176,
0.7406

 166.6868, 0.3011,
0.4523

 3.3890, 0.1601,
0.8399

 205.7521, 0.3025,
0.4430

 1.3380, 0.0000,
1.0000

250.4887, 0.3037,

 0.1703, 0.0000,

0.4350

1.0000

301.2811, 0.3046,
0.4280

■ 0.0000, 0.0000,
0.0000

■ 42.9761, 0.2846,
0.5350

■ 42.9761, 0.2846,
0.5350

■ 42.6388, 0.2876,
0.5549

■ 43.5251, 0.2829,
0.5119

■ 42.6144, 0.2879,
0.5564

■ 44.3310, 0.2828,
0.4866

■ 45.4261, 0.2844,
0.4604

■ 46.8366, 0.2874,
0.4342

■ 48.5856, 0.2915,
0.4091

■ 50.6939, 0.2964,
0.3856

■ 53.1808, 0.3018,
0.3641

■ 56.0639, 0.3075,
0.3448

■ 59.3599, 0.3132,
0.3276

Harmonies

Analogous

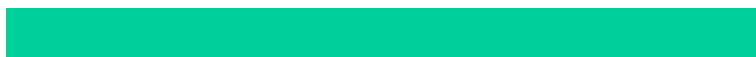
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.9761, 0.3885, 0.5382



42.9761, 0.2846, 0.5350



42.9761, 0.1933, 0.4237

Triad

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



42.9761, 0.2846, 0.5350



42.9761, 0.1502, 0.1701



42.9761, 0.5196, 0.3164

Complementary

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



42.9761, 0.2846, 0.5350



15.1683, 0.4074, 0.2077

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.



42.9761, 0.4272, 0.2493



42.9761, 0.2846, 0.5350



42.9761, 0.2074, 0.1696

Square

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



42.9761, 0.2846, 0.5350



42.9761, 0.1286, 0.2051



42.9761, 0.3049, 0.1973



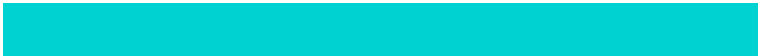
42.9761, 0.5347, 0.3905

Rectangle

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



42.9761, 0.2846, 0.5350



42.9761, 0.1533, 0.3299



42.9761, 0.3049, 0.1973



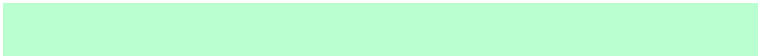
42.9761, 0.4961, 0.2930

Sweetspot

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



42.9779, 0.2846, 0.5350



86.5313, 0.2973, 0.3816



48.3184, 0.3676, 0.5393



18.2332, 0.2955, 0.3894



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.



42.9779, 0.2846, 0.5350



72.1122, 0.2885, 0.5587



45.2771, 0.2411, 0.3816



12.5946, 0.3073, 0.3452



27.4347, 0.2872, 0.5540



1.4291, 0.2759, 0.5132

Inverse Universe

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



15.1683, 0.4074, 0.2077



24.3209, 0.4235, 0.2107



13.4026, 0.5811, 0.3075



11.3408, 0.3185, 0.3133



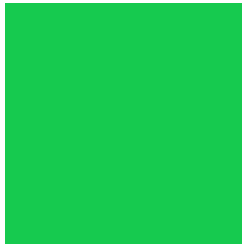
9.2764, 0.4201, 0.2088



0.4920, 0.3962, 0.1956

Previews

White Background



This preview shows how the Yxy color 42.9761, 0.2846, 0.5350 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 42.9761, 0.2846, 0.5350 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 42.9761, 0.2846, 0.5350

Background



This preview shows how black text looks on a background with the Yxy color 42.9761, 0.2846, 0.5350.



This preview shows how white text looks on a background with the Yxy color 42.9761, 0.2846, 0.5350.

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

42.9761, 0.2846, 0.5350

Protanopia

42.0645, 0.4142, 0.4553

Deuteranopia

41.7946, 0.4273, 0.4178



Tritanopia

42.6420, 0.2347, 0.3053

Trichromacy



Original Color

42.9761, 0.2846, 0.5350



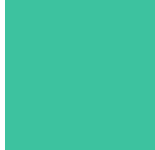
Protanomaly

39.6007, 0.3467, 0.4950



Deuteranomaly

38.4420, 0.3539, 0.4675



Tritanomaly

42.0789, 0.2520, 0.3859

Monochromacy



Original Color

42.9761, 0.2846, 0.5350



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.3383, 0.2907, 0.4129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9761, 0.2846, 0.5350 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(22, 202, 79)` looks like.

```
.text, #text, p{  
    color:rgb(22, 202, 79)  
}
```

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(22, 202, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 202, 79) }
```

Border

The CSS property to change the border of an element to Yxy 42.9761, 0.2846, 0.5350 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(22, 202, 79) }
```

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

```
.border{ border-color:rgb(22, 202, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 202, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 202, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 202, 79);  
box-shadow:4px 4px 4px 4px rgb(22, 202,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9761, 0.2846, 0.5350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 202, 79) }
```

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

```
.background{ background-color: rgb(22, 202,  
79) }
```

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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