

Converting Colors

$Yxy(42.6429, 0.2815, 0.4902)$

Have a look what the booklet for
Yxy(42.6429, 0.2815, 0.4902)
contains.

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Color

Yxy(42.6669, 0.2818, 0.4907)

Conversions

Conversions Part 1

Format	Color
Hex	38C767
RGB	56, 199, 103
RGB Percent	22%, 78%, 40%
CMY	0.7804, 0.2196, 0.5960
CMYK	0.72, 0.00, 0.48, 0.22
HSL	140°, 56%, 50%
HSV	140°, 72%, 78%
XYZ	24.5028, 42.6669, 19.7814
YIQ	145.2990, -54.4120, -60.1720

Conversions

Conversions Part 2

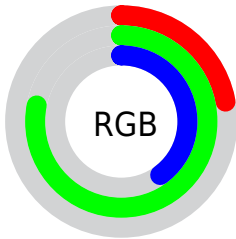
Format	Color
RYB	56, 164, 199
Decimal	3721063
CIELab	71.33, -58.19, 37.29
CIELCh	71, 69.118, 147.347
Yxy	42.6669, 0.2818, 0.4907
Android (android.graphics.Color)	4281911143 (0xFF38C767)
YUV	145.2990, -20.8534, -78.3152
Hunter-Lab	65.3199, -47.3509, 27.7686

Details

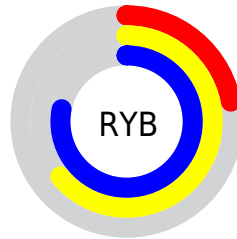
The Yxy color **42.6669, 0.2818, 0.4907** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **17.2360, 0.3864, 0.2174**, and the grayscale version is **28.5469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0579, 0.2899, 0.4545**, and **20.2036, 0.2829, 0.5384** is the 20% darker color. If you saturate the color by 10%, you get **41.9577, 0.2823, 0.5153**, and if you desaturate by 10%, it is **43.6502, 0.2830, 0.4649**.

Distribution



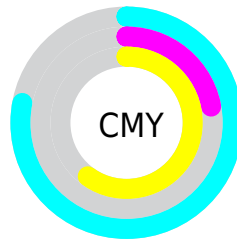
- Red (22%)
- Green (78%)
- Blue (40%)



- Red (22%)
- Yellow (64%)
- Blue (78%)



- Cyan (72%)
- Magenta (0%)
- Yellow (48%)
- Black (22%)



- Cyan (78%)
- Magenta (22%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6669, 0.2818, 0.4907 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 42.6669, 0.2818, 0.4907 by changing the saturation by 10% instead.


 42.6669, 0.2818,
0.4907


 42.6669, 0.2818,
0.4907

357.2401, 0.3014,
0.4022


 29.6238, 0.2753,
0.5151


 79.2080, 0.2901,
0.4568

 19.5533, 0.2660,
0.5476


 103.4748, 0.2928,
0.4445


 12.0707, 0.2517,
0.5926


 132.2516, 0.2950,
0.4344

 6.7919, 0.2281,
0.6573

 165.9228, 0.2968,
0.4259

 3.3323, 0.1982,
0.8018

 204.8729, 0.2982,
0.4187

 1.3076, 0.0000,
1.0000

249.4862, 0.2995,

 0.1471, 0.0000,

0.4124

1.0000

300.1472, 0.3005,
0.4070

■ 0.0000, 0.0000,
0.0000

■ 42.6669, 0.2818,
0.4907

■ 42.6669, 0.2818,
0.4907

■ 41.9577, 0.2823,
0.5153

■ 43.6502, 0.2830,
0.4649

■ 41.4864, 0.2845,
0.5375

■ 44.9285, 0.2857,
0.4391

■ 41.2353, 0.2870,
0.5533

■ 46.5262, 0.2897,
0.4141

■ 48.4640, 0.2945,
0.3905

■ 50.7605, 0.3000,
0.3689

■ 53.4333, 0.3057,
0.3494

■ 56.4985, 0.3116,
0.3320

■ 59.9713, 0.3175,
0.3167

■ 63.8663, 0.3231,
0.3032

Harmonies

Analogous

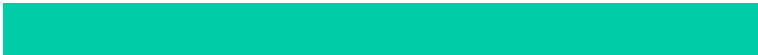
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.6669, 0.3731, 0.5113



42.6669, 0.2818, 0.4907



42.6669, 0.2039, 0.3939

Triad

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



42.6669, 0.2818, 0.4907



42.6669, 0.1746, 0.1885



42.6669, 0.4935, 0.3300

Complementary

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



42.6669, 0.2818, 0.4907



17.2360, 0.3864, 0.2174

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.



42.6669, 0.4218, 0.2677



42.6669, 0.2818, 0.4907



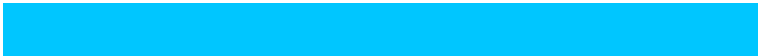
42.6669, 0.2309, 0.1905

Square

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



42.6669, 0.2818, 0.4907



42.6669, 0.1512, 0.2175



42.6669, 0.3196, 0.2184



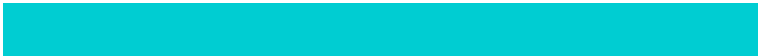
42.6669, 0.5021, 0.3979

Rectangle

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



42.6669, 0.2818, 0.4907



42.6669, 0.1702, 0.3192



42.6669, 0.3196, 0.2184



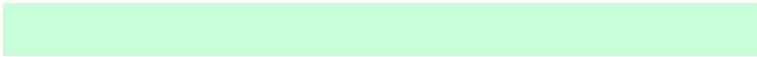
42.6669, 0.4758, 0.3083

Sweetspot

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



42.6686, 0.2818, 0.4907



88.6764, 0.2997, 0.3699



47.9761, 0.3677, 0.5127



18.7316, 0.2982, 0.3756



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.



42.6686, 0.2818, 0.4907



72.9686, 0.2833, 0.5276



44.6977, 0.2449, 0.3701



11.9444, 0.3072, 0.3449



26.5287, 0.2863, 0.5508



1.2696, 0.2741, 0.5069

Inverse Universe

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



17.2360, 0.3864, 0.2174



25.9175, 0.4084, 0.2100



15.5824, 0.5124, 0.3013



10.7550, 0.3187, 0.3136



8.9232, 0.4245, 0.2112



0.4355, 0.3977, 0.1965

Previews

White Background



This preview shows how the Yxy color 42.6669, 0.2818, 0.4907 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 42.6669, 0.2818, 0.4907 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 42.6669, 0.2818, 0.4907

Background



This preview shows how black text looks on a background with the Yxy color 42.6669, 0.2818, 0.4907.

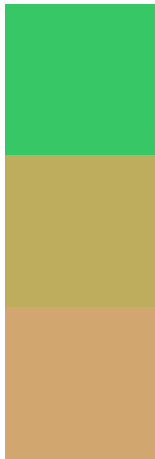


This preview shows how white text looks on a background with the Yxy color 42.6669, 0.2818, 0.4907.

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

42.6669, 0.2818, 0.4907

Protanopia

41.7717, 0.3970, 0.4313

Deuteranopia

41.9754, 0.4051, 0.3973



Tritanopia

42.5024, 0.2388, 0.3068

Trichromacy



Original Color

42.6669, 0.2818, 0.4907



Protanomaly

40.0697, 0.3430, 0.4576



Deuteranomaly

39.6958, 0.3466, 0.4332



Tritanomaly

42.1090, 0.2536, 0.3686

Monochromacy



Original Color

42.6669, 0.2818, 0.4907



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.0327, 0.2950, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6669, 0.2818, 0.4907 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(56, 199, 103)` looks like.

```
.text, #text, p{  
    color:rgb(56, 199, 103)  
}
```

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(56, 199, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 199, 103) }
```

Border

The CSS property to change the border of an element to Yxy 42.6669, 0.2818, 0.4907 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(56, 199, 103) }
```

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

```
.border{ border-color:rgb(56, 199, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 199, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 199, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 199, 103);  
box-shadow:4px 4px 4px 4px rgb(56, 199,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6669, 0.2818, 0.4907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 199, 103) }
```

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

```
.background{ background-color: rgb(56, 199,  
103) }
```

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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