

Converting Colors

$Y_{xy}(42.2470, 0.2829, 0.4911)$

Have a look what the booklet for
Yxy(42.2470, 0.2829, 0.4911)
contains.

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Color

Yxy(42.2470, 0.2829, 0.4911)

Conversions

Conversions Part 1

Format	Color
Hex	3AC666
RGB	58, 198, 102
RGB Percent	23%, 78%, 40%
CMY	0.7726, 0.2235, 0.6000
CMYK	0.71, 0.00, 0.48, 0.22
HSL	139°, 55%, 50%
HSV	139°, 71%, 78%
XYZ	24.3365, 42.2470, 19.4417
YIQ	145.1960, -52.6240, -59.5360

Conversions

Conversions Part 2

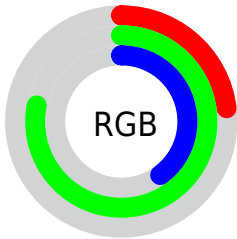
Format	Color
RYB	58, 165, 198
Decimal	3851878
CIELab	71.04, -57.68, 37.45
CIELCh	71, 68.768, 147.005
Yxy	42.2470, 0.2829, 0.4911
Android (android.graphics.Color)	4282041958 (0xFF3AC666)
YUV	145.1960, -21.2956, -76.4709
Hunter-Lab	64.9977, -46.9117, 27.7639

Details

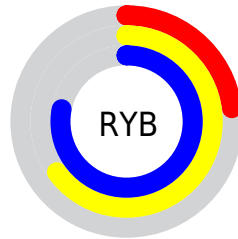
The Yxy color **42.2470, 0.2829, 0.4911** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **17.3639, 0.3815, 0.2162**, and the grayscale version is **28.5028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0975, 0.2908, 0.4556**, and **19.8929, 0.2832, 0.5395** is the 20% darker color. If you saturate the color by 10%, you get **41.5175, 0.2832, 0.5162**, and if you desaturate by 10%, it is **43.2521, 0.2842, 0.4648**.

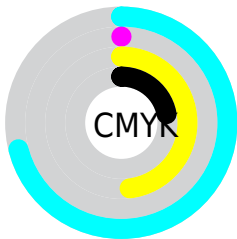
Distribution



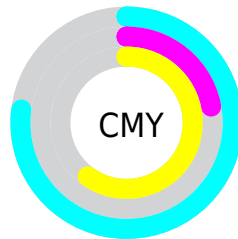
- Red (23%)
- Green (78%)
- Blue (40%)



- Red (23%)
- Yellow (65%)
- Blue (78%)



- Cyan (71%)
- Magenta (0%)
- Yellow (48%)
- Black (22%)




- Cyan (77%)
- Magenta (22%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2470, 0.2829, 0.4911 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 42.2470, 0.2829, 0.4911 by changing the saturation by 10% instead.


 42.2470, 0.2829,
0.4911

 42.2470, 0.2829,
0.4911


355.5058, 0.3020,
0.4022


 29.2947, 0.2765,
0.5156


 78.5733, 0.2910,
0.4570


 19.3039, 0.2672,
0.5483


 102.7162, 0.2937,
0.4447

 11.8901, 0.2530,
0.5936


 131.3580, 0.2958,
0.4346

 6.6689, 0.2294,
0.6588

 164.8832, 0.2975,
0.4260

 3.2559, 0.1984,
0.8016

 203.6762, 0.2990,
0.4188

 1.2667, 0.0000,
1.0000

248.1214, 0.3001,

 0.1152, 0.0000,

0.4125

1.0000

298.6031, 0.3012,
0.4070

■ 0.0000, 0.0000,
0.0000

■ 42.2470, 0.2829,
0.4911

■ 42.2470, 0.2829,
0.4911

■ 41.5175, 0.2832,
0.5162

■ 43.2521, 0.2842,
0.4648

■ 41.0285, 0.2852,
0.5388

■ 44.5531, 0.2870,
0.4385

■ 40.7407, 0.2880,
0.5569

■ 46.1741, 0.2910,
0.4131

■ 48.1353, 0.2957,
0.3893

■ 50.4551, 0.3010,
0.3674

■ 53.1507, 0.3066,
0.3477

■ 56.2381, 0.3123,
0.3302

■ 59.7324, 0.3179,
0.3147

■ 63.6478, 0.3234,
0.3012

Harmonies

Analogous

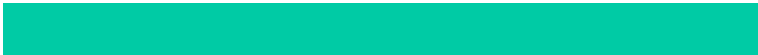
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.2470, 0.3740, 0.5107



42.2470, 0.2829, 0.4911



42.2470, 0.2048, 0.3951

Triad

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



42.2470, 0.2829, 0.4911



42.2470, 0.1744, 0.1888



42.2470, 0.4927, 0.3293

Complementary

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



42.2470, 0.2829, 0.4911



17.3639, 0.3815, 0.2162

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.



42.2470, 0.4205, 0.2672



42.2470, 0.2829, 0.4911



42.2470, 0.2301, 0.1905

Square

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



42.2470, 0.2829, 0.4911



42.2470, 0.1513, 0.2183



42.2470, 0.3184, 0.2182



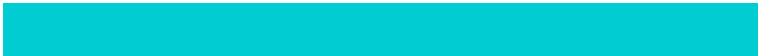
42.2470, 0.5021, 0.3971

Rectangle

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



42.2470, 0.2829, 0.4911



42.2470, 0.1708, 0.3204



42.2470, 0.3184, 0.2182



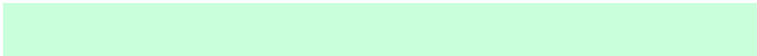
42.2470, 0.4747, 0.3077

Sweetspot

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



42.2487, 0.2829, 0.4911



89.0768, 0.3007, 0.3687



47.7635, 0.3695, 0.5091



18.8080, 0.2992, 0.3746



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.



42.2487, 0.2829, 0.4911



72.9855, 0.2841, 0.5291



44.1917, 0.2466, 0.3732



11.9419, 0.3074, 0.3452



26.5071, 0.2874, 0.5545



1.2683, 0.2752, 0.5106

Inverse Universe

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



17.3639, 0.3815, 0.2162



26.2444, 0.4025, 0.2075



15.7029, 0.5032, 0.2984



10.7577, 0.3185, 0.3133



8.9753, 0.4189, 0.2081



0.4376, 0.3937, 0.1943

Previews

White Background



This preview shows how the Yxy color 42.2470, 0.2829, 0.4911 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 42.2470, 0.2829, 0.4911 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 42.2470, 0.2829, 0.4911

Background



This preview shows how black text looks on a background with the Yxy color 42.2470, 0.2829, 0.4911.



This preview shows how white text looks on a background with the Yxy color 42.2470, 0.2829, 0.4911.

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

42.2470, 0.2829, 0.4911

Protanopia

41.6246, 0.3968, 0.4329

Deuteranopia

41.4460, 0.4056, 0.3976



Tritanopia

42.0802, 0.2394, 0.3067

Trichromacy



Original Color

42.2470, 0.2829, 0.4911



Protanomaly

40.0512, 0.3437, 0.4590



Deuteranomaly

39.2781, 0.3477, 0.4334



Tritanomaly

41.7203, 0.2547, 0.3687

Monochromacy



Original Color

42.2470, 0.2829, 0.4911



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.6466, 0.2958, 0.3892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2470, 0.2829, 0.4911 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(58, 198, 102)` looks like.

```
.text, #text, p{  
    color:rgb(58, 198, 102)  
}
```

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(58, 198, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 198, 102) }
```

Border

The CSS property to change the border of an element to Yxy 42.2470, 0.2829, 0.4911 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(58, 198, 102) }
```

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

```
.border{ border-color:rgb(58, 198, 102) }
```

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

Here you see how a box with a 4 pixel rgb(58, 198, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 198, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 198, 102);  
box-shadow:4px 4px 4px 4px rgb(58, 198,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2470, 0.2829, 0.4911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 198, 102) }
```

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

```
.background{ background-color: rgb(58, 198,  
102) }
```

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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