

Converting Colors

$Yxy(42.2711, 0.2909, 0.5067)$

Have a look what the booklet for
Yxy(42.2711, 0.2909, 0.5067)
contains.

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Color

Yxy(42.2673, 0.2912, 0.5074)

Conversions

Conversions Part 1

Format	Color
Hex	41C65B
RGB	65, 198, 91
RGB Percent	25%, 78%, 36%
CMY	0.7455, 0.2235, 0.6431
CMYK	0.67, 0.00, 0.54, 0.22
HSL	132°, 54%, 52%
HSV	132°, 67%, 78%
XYZ	24.2575, 42.2673, 16.7770
YIQ	146.0350, -44.9210, -61.4730

Conversions

Conversions Part 2

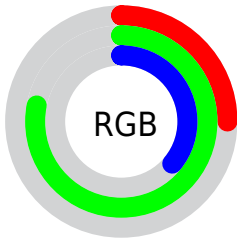
Format	Color
RYB	65, 176, 198
Decimal	4310619
CIELab	71.05, -58.08, 42.87
CIELCh	71, 72.191, 143.567
Yxy	42.2673, 0.2912, 0.5074
Android (android.graphics.Color)	4282500699 (0xFF41C65B)
YUV	146.0350, -27.1323, -71.0677
Hunter-Lab	65.0133, -47.1722, 30.2093

Details

The Yxy color **42.2673, 0.2912, 0.5074** 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 **18.7519, 0.3535, 0.2033**, and the grayscale version is **28.8768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1228, 0.2982, 0.4687**, and **19.7981, 0.2892, 0.5609** is the 20% darker color. If you saturate the color by 10%, you get **41.4625, 0.2910, 0.5350**, and if you desaturate by 10%, it is **43.3705, 0.2926, 0.4777**.

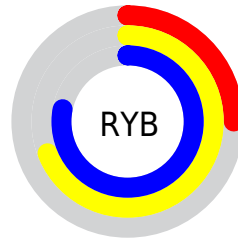
Distribution



Red (25%)

Green (78%)

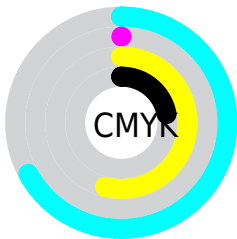
Blue (36%)



Red (25%)

Yellow (69%)

Blue (78%)

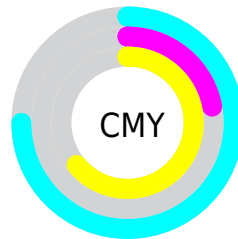


Cyan (67%)

Magenta (0%)

Yellow (54%)

Black (22%)



Cyan (75%)


Magenta (22%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2673, 0.2912, 0.5074 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 42.2673, 0.2912, 0.5074 by changing the saturation by 10% instead.


 42.2673, 0.2912,
0.5074

 42.2673, 0.2912,
0.5074


355.5898, 0.3071,
0.4097

 29.3107, 0.2852,
0.5341


 78.6040, 0.2984,
0.4700


 19.3159, 0.2761,
0.5694


 102.7529, 0.3007,
0.4565

 11.8988, 0.2616,
0.6176


 131.4012, 0.3024,
0.4453

 6.6748, 0.2371,
0.6863

 164.9335, 0.3037,
0.4359

 3.2596, 0.1966,
0.8034

 203.7341, 0.3048,
0.4279

 1.2687, 0.0000,
1.0000

248.1875, 0.3057,

 0.1168, 0.0000,

0.4210

1.0000

298.6779, 0.3065,
0.4150

■ 0.0000, 0.0000,
0.0000

■ 42.2673, 0.2912,
0.5074

■ 42.2673, 0.2912,
0.5074

■ 41.4625, 0.2910,
0.5350

■ 43.3705, 0.2926,
0.4777

■ 40.9212, 0.2921,
0.5586

■ 44.7926, 0.2950,
0.4475

■ 40.6049, 0.2943,
0.5771

■ 46.5581, 0.2982,
0.4182

■ 40.5385, 0.2948,
0.5813

■ 48.6878, 0.3019,
0.3908

■ 51.2008, 0.3058,
0.3658

■ 54.1147, 0.3098,
0.3435

■ 57.4463, 0.3138,
0.3238

■ 61.2110, 0.3176,
0.3065

■ 65.4239, 0.3213,
0.2916

Harmonies

Analogous

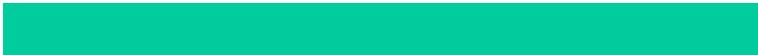
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.2673, 0.3858, 0.5160



42.2673, 0.2912, 0.5074



42.2673, 0.2074, 0.4124

Triad

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



42.2673, 0.2912, 0.5074



42.2673, 0.1647, 0.1850



42.2673, 0.4957, 0.3204

Complementary

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



42.2673, 0.2912, 0.5074



18.7519, 0.3535, 0.2033

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.



42.2673, 0.4139, 0.2577



42.2673, 0.2912, 0.5074



42.2673, 0.2181, 0.1837

Square

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



42.2673, 0.2912, 0.5074



42.2673, 0.1447, 0.2190



42.2673, 0.3064, 0.2093



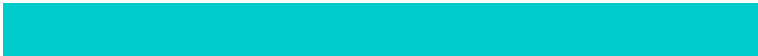
42.2673, 0.5125, 0.3897

Rectangle

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



42.2673, 0.2912, 0.5074



42.2673, 0.1696, 0.3321



42.2673, 0.3064, 0.2093



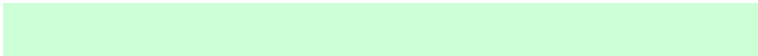
42.2673, 0.4745, 0.2985

Sweetspot

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



42.2690, 0.2912, 0.5074



89.2124, 0.3046, 0.3733



49.7274, 0.3821, 0.4933



18.8214, 0.3035, 0.3803



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.



42.2690, 0.2912, 0.5074



72.8798, 0.2914, 0.5474



43.9093, 0.2563, 0.3969



11.9213, 0.3090, 0.3481



26.3697, 0.2943, 0.5794



1.2590, 0.2835, 0.5407

Inverse Universe

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



18.7519, 0.3535, 0.2033



28.2916, 0.3650, 0.1894



16.8394, 0.4610, 0.2789



10.7796, 0.3167, 0.3106



9.4518, 0.3771, 0.1851



0.4569, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 42.2673, 0.2912, 0.5074 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 42.2673, 0.2912, 0.5074 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 42.2673, 0.2912, 0.5074

Background



This preview shows how black text looks on a background with the Yxy color 42.2673, 0.2912, 0.5074.



This preview shows how white text looks on a background with the Yxy color 42.2673, 0.2912, 0.5074.

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

42.2673, 0.2912, 0.5074

Protanopia

41.5880, 0.4051, 0.4434

Deuteranopia

41.5320, 0.4162, 0.4083



Tritanopia

41.9315, 0.2425, 0.3068

Trichromacy



Original Color

42.2673, 0.2912, 0.5074



Protanomaly

40.1475, 0.3531, 0.4712



Deuteranomaly

39.4754, 0.3591, 0.4460



Tritanomaly

41.3786, 0.2602, 0.3753

Monochromacy



Original Color

42.2673, 0.2912, 0.5074



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

32.1985, 0.3016, 0.3955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2673, 0.2912, 0.5074 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(65, 198, 91)` looks like.

```
.text, #text, p{  
    color:rgb(65, 198, 91)  
}
```

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(65, 198, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 198, 91) }
```

Border

The CSS property to change the border of an element to Yxy 42.2673, 0.2912, 0.5074 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(65, 198, 91) }
```

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

```
.border{ border-color:rgb(65, 198, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 198, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 198, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 198, 91);  
box-shadow:4px 4px 4px 4px rgb(65, 198,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2673, 0.2912, 0.5074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 198, 91) }
```

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

```
.background{ background-color: rgb(65, 198,  
91) }
```

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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