

Converting Colors

$Yxy(42.2306, 0.2800, 0.4247)$

Have a look what the booklet for
Yxy(42.2306, 0.2800, 0.4247)
contains.

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Color

Yxy(42.1365, 0.2803, 0.4250)

Conversions

Conversions Part 1

Format	Color
Hex	5CC186
RGB	92, 193, 134
RGB Percent	36%, 76%, 53%
CMY	0.6390, 0.2431, 0.4746
CMYK	0.52, 0.00, 0.31, 0.24
HSL	145°, 45%, 56%
HSV	145°, 52%, 76%
XYZ	27.7903, 42.1365, 29.2179
YIQ	156.0750, -41.2570, -39.7610

Conversions

Conversions Part 2

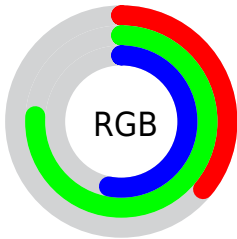
Format	Color
RYB	92, 163, 193
Decimal	6078854
CIELab	70.96, -42.99, 20.94
CIElCh	71, 47.817, 154.031
Yxy	42.1365, 0.2803, 0.4250
Android (android.graphics.Color)	4284268934 (0xFF5CC186)
YUV	156.0750, -10.8830, -56.1938
Hunter-Lab	64.9126, -37.1781, 18.7517

Details

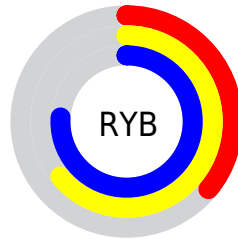
The Yxy color **42.1365, 0.2803, 0.4250** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **21.2384, 0.3722, 0.2516**, and the grayscale version is **33.3510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3486, 0.2877, 0.4057**, and **19.3665, 0.2685, 0.4586** is the 20% darker color. If you saturate the color by 10%, you get **40.9687, 0.2770, 0.4476**, and if you desaturate by 10%, it is **43.5945, 0.2850, 0.4033**.

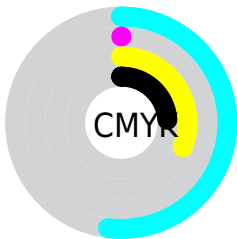
Distribution



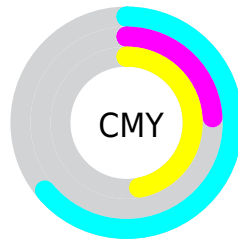
- Red (36%)
- Green (76%)
- Blue (53%)



- Red (36%)
- Yellow (64%)
- Blue (76%)



- Cyan (52%)
- Magenta (0%)
- Yellow (31%)
- Black (24%)





- Cyan (64%)
- Magenta (24%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1365, 0.2803, 0.4250 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 42.1365, 0.2803, 0.4250 by changing the saturation by 10% instead.


 42.1365, 0.2803,
0.4250


 42.1365, 0.2803,
0.4250


355.0485, 0.2982,
0.3734


 29.2082, 0.2752,
0.4391


 78.4062, 0.2872,
0.4053


 19.2384, 0.2684,
0.4580


 102.5163, 0.2897,
0.3982

 11.8426, 0.2585,
0.4845


 131.1225, 0.2917,
0.3923

 6.6366, 0.2434,
0.5241

 164.6092, 0.2934,
0.3873

 3.2359, 0.2177,
0.5883

203.3608, 0.2949,
0.3831

 1.2561, 0.0767,
0.9233

247.7615, 0.2961,

 0.1068, 0.0000,

0.3794

1.0000

298.1960, 0.2972,
0.3762

■ 0.0000, 0.0000,
0.0000

■ 42.1365, 0.2803,
0.4250

■ 42.1365, 0.2803,
0.4250

■ 40.9687, 0.2770,
0.4476

■ 43.5945, 0.2850,
0.4033

■ 40.0654, 0.2754,
0.4704

■ 45.3562, 0.2907,
0.3830

■ 39.4045, 0.2756,
0.4927

■ 47.4401, 0.2971,
0.3643

■ 38.9582, 0.2777,
0.5136

■ 49.8621, 0.3040,
0.3474

■ 38.7206, 0.2802,
0.5285

■ 52.6367, 0.3111,
0.3322

■ 55.7777, 0.3182,
0.3188

■ 59.2980, 0.3251,
0.3070

■ 63.2101, 0.3319,
0.2966

■ 65.4280, 0.3299,
0.2864

Harmonies

Analogous

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



42.1365, 0.3468, 0.4556



42.1365, 0.2803, 0.4250



42.1365, 0.2260, 0.3577

Triad

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



42.1365, 0.2803, 0.4250



42.1365, 0.2184, 0.2237



42.1365, 0.4448, 0.3462

Complementary

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



42.1365, 0.2803, 0.4250



21.2384, 0.3722, 0.2516

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.



42.1365, 0.4030, 0.2960



42.1365, 0.2803, 0.4250



42.1365, 0.2675, 0.2289

Square

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



42.1365, 0.2803, 0.4250



42.1365, 0.1942, 0.2428



42.1365, 0.3351, 0.2546



42.1365, 0.4450, 0.3978

Rectangle

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



42.1365, 0.2803, 0.4250



42.1365, 0.2032, 0.3100



42.1365, 0.3351, 0.2546



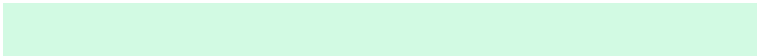
42.1365, 0.4351, 0.3289

Sweetspot

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



42.1382, 0.2803, 0.4250



87.5183, 0.3013, 0.3539



45.6483, 0.3517, 0.4712



18.5827, 0.2998, 0.3574



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.1382, 0.2803, 0.4250



73.0722, 0.2766, 0.4514



43.8322, 0.2514, 0.3441



11.3267, 0.3061, 0.3428



25.7696, 0.2795, 0.5261



1.1271, 0.2669, 0.4807

Inverse Universe

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



21.2384, 0.3722, 0.2516



31.5221, 0.3923, 0.2380



19.9642, 0.4469, 0.3160



10.1744, 0.3200, 0.3156



8.3474, 0.4586, 0.2300



0.3741, 0.4199, 0.2087

Previews

White Background



This preview shows how the Yxy color 42.1365, 0.2803, 0.4250 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 42.1365, 0.2803, 0.4250 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 42.1365, 0.2803, 0.4250

Background



This preview shows how black text looks on a background with the Yxy color 42.1365, 0.2803, 0.4250.



This preview shows how white text looks on a background with the Yxy color 42.1365, 0.2803, 0.4250.

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

42.1365, 0.2803, 0.4250

Protanopia

41.4248, 0.3669, 0.3927

Deuteranopia

41.4452, 0.3694, 0.3628



Tritanopia

42.1831, 0.2490, 0.3071

Trichromacy



Original Color

42.1365, 0.2803, 0.4250



Protanomaly

40.8764, 0.3297, 0.4063



Deuteranomaly

40.4627, 0.3306, 0.3843



Tritanomaly

41.9846, 0.2598, 0.3472

Monochromacy



Original Color

42.1365, 0.2803, 0.4250



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

35.5006, 0.2979, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1365, 0.2803, 0.4250 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(92, 193, 134)` looks like.

```
.text, #text, p{  
    color:rgb(92, 193, 134)  
}
```

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(92, 193, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 193, 134) }
```

Border

The CSS property to change the border of an element to Yxy 42.1365, 0.2803, 0.4250 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(92, 193, 134) }
```

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

```
.border{ border-color:rgb(92, 193, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 193, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 193, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 193, 134);  
box-shadow:4px 4px 4px 4px rgb(92, 193,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1365, 0.2803, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 193, 134) }
```

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

```
.background{ background-color: rgb(92, 193,  
134) }
```

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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