

Converting Colors

$Yxy(42.5760, 0.3174, 0.4386)$

Have a look what the booklet for
Yxy(42.5760, 0.3174, 0.4386)
contains.

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Color

Yxy(42.5285, 0.3176, 0.4381)

Conversions

Conversions Part 1

Format	Color
Hex	83BD76
RGB	131, 189, 118
RGB Percent	51%, 74%, 46%
CMY	0.4861, 0.2588, 0.5373
CMYK	0.31, 0.00, 0.38, 0.26
HSL	109°, 35%, 60%
HSV	109°, 38%, 74%
XYZ	30.8310, 42.5285, 23.7154
YIQ	163.5640, -11.7770, -34.3770

Conversions

Conversions Part 2

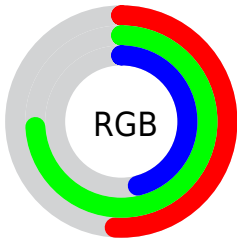
Format	Color
RYB	118, 189, 176
Decimal	8633718
CIELab	71.23, -32.46, 30.07
CIElCh	71, 44.248, 137.190
Yxy	42.5285, 0.3176, 0.4381
Android (android.graphics.Color)	4286823798 (0xFF83BD76)
YUV	163.5640, -22.4631, -28.5586
Hunter-Lab	65.2139, -29.7354, 24.0886

Details

The Yxy color **42.5285, 0.3176, 0.4381** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **25.8478, 0.3029, 0.2334**, and the grayscale version is **37.0229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2909, 0.3179, 0.4163**, and **19.4076, 0.3164, 0.4748** is the 20% darker color. If you saturate the color by 10%, you get **40.9835, 0.3178, 0.4718**, and if you desaturate by 10%, it is **44.3505, 0.3168, 0.4056**.

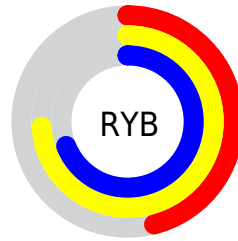
Distribution



Red (51%)

Green (74%)

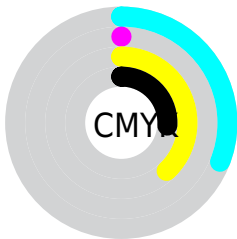
Blue (46%)



Red (46%)

Yellow (74%)

Blue (69%)

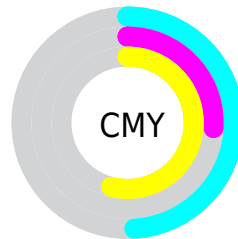


Cyan (31%)

Magenta (0%)

Yellow (38%)

Black (26%)



Cyan (49%)


Magenta (26%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5285, 0.3176, 0.4381 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 42.5285, 0.3176, 0.4381 by changing the saturation by 10% instead.


 42.5285, 0.3176,
0.4381


 42.5285, 0.3176,
0.4381


356.6691, 0.3170,
0.3799

 29.5153, 0.3170,
0.4537


 78.9989, 0.3179,
0.4161

 19.4710, 0.3157,
0.4744


 103.2249, 0.3178,
0.4081

 12.0111, 0.3130,
0.5029


 131.9573, 0.3177,
0.4014

 6.7512, 0.3072,
0.5441

165.5805, 0.3176,
0.3958

 3.3070, 0.2977,
0.6170

204.4788, 0.3174,
0.3909

 1.2940, 0.2314,
0.7686

249.0368, 0.3173,

 0.1366, 0.0000,

0.3868

1.0000

299.6388, 0.3171,
0.3831

■ 0.0000, 0.0000,
0.0000

■ 42.5285, 0.3176,
0.4381

■ 42.5285, 0.3176,
0.4381

■ 40.9835, 0.3178,
0.4718

■ 44.3505, 0.3168,
0.4056

■ 39.6965, 0.3172,
0.5051

■ 46.4566, 0.3155,
0.3753

■ 38.6548, 0.3157,
0.5358


■ 48.8604, 0.3140,
0.3479


■ 37.8422, 0.3132,
0.5618

■ 51.5729, 0.3123,
0.3233

■ 37.2403, 0.3101,
0.5811


■ 54.6046, 0.3105,
0.3017

 36.8260, 0.3066,
0.5930

 57.9655, 0.3087,
0.2828

 36.7476, 0.3059,
0.5953

 61.6652, 0.3070,
0.2663

 64.7660, 0.3153,
0.2643

 64.8744, 0.3157,
0.2644

Harmonies

Analogous

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



42.5285, 0.3783, 0.4426



42.5285, 0.3176, 0.4381



42.5285, 0.2587, 0.3924

Triad

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



42.5285, 0.3176, 0.4381



42.5285, 0.2091, 0.2382



42.5285, 0.4171, 0.3188

Complementary

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



42.5285, 0.3176, 0.4381



25.8478, 0.3029, 0.2334

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.



42.5285, 0.3624, 0.2753



42.5285, 0.3176, 0.4381



42.5285, 0.2425, 0.2303

Square

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



42.5285, 0.3176, 0.4381



42.5285, 0.2002, 0.2705



42.5285, 0.2972, 0.2439



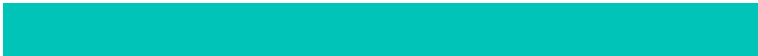
42.5285, 0.4398, 0.3673

Rectangle

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



42.5285, 0.3176, 0.4381



42.5285, 0.2283, 0.3486



42.5285, 0.2972, 0.2439



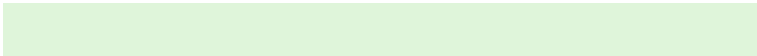
42.5285, 0.4015, 0.3033

Sweetspot

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



42.5303, 0.3176, 0.4381



85.8993, 0.3146, 0.3574



42.7058, 0.3747, 0.4046



18.3459, 0.3148, 0.3611



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.5303, 0.3176, 0.4381



73.8819, 0.3178, 0.4655



42.1167, 0.2931, 0.4068



10.7318, 0.3143, 0.3525



24.7502, 0.3065, 0.5948



0.9955, 0.3219, 0.5826

Inverse Universe

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



25.8478, 0.3029, 0.2334



39.7413, 0.2999, 0.2129



26.5855, 0.3406, 0.2625



9.6052, 0.3109, 0.3062



7.1407, 0.2753, 0.1290



0.3031, 0.2869, 0.1354

Previews

White Background



This preview shows how the Yxy color 42.5285, 0.3176, 0.4381 looks on a white background.

Color Contrast Check

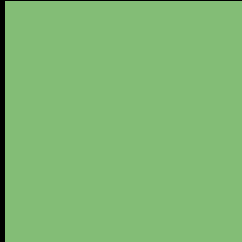
Large Text (above 18pt) WCAG AA × Fail

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 42.5285, 0.3176, 0.4381 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 42.5285, 0.3176, 0.4381

Background



This preview shows how black text looks on a background with the Yxy color 42.5285, 0.3176, 0.4381.



This preview shows how white text looks on a background with the Yxy color 42.5285, 0.3176, 0.4381.

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

42.5285, 0.3176, 0.4381

Protanopia

42.2608, 0.3801, 0.4114

Deuteranopia

41.9679, 0.3922, 0.3833



Tritanopia

42.4669, 0.2736, 0.3093

Trichromacy



Original Color

42.5285, 0.3176, 0.4381

Protanomaly

41.7799, 0.3559, 0.4211

Deuteranomaly

41.2363, 0.3627, 0.4023

Tritanomaly

42.1091, 0.2897, 0.3540

Monochromacy



Original Color

42.5285, 0.3176, 0.4381

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.6691, 0.3154, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5285, 0.3176, 0.4381 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(131, 189, 118)` looks like.

```
.text, #text, p{  
    color:rgb(131, 189, 118)  
}
```

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(131, 189, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 189, 118) }
```

Border

The CSS property to change the border of an element to Yxy 42.5285, 0.3176, 0.4381 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(131, 189, 118) }
```

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

```
.border{ border-color:rgb(131, 189, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 189, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 189, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 189, 118);  
box-shadow:4px 4px 4px 4px rgb(131, 189,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5285, 0.3176, 0.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 189, 118) }
```

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

```
.background{ background-color: rgb(131,  
189, 118) }
```

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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