

Converting Colors

Yxy(41.8950, 0.3128, 0.4344)

Have a look what the booklet for
Yxy(41.8950, 0.3128, 0.4344)
contains.

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Color

Yxy(41.8345, 0.3131, 0.4348)

Conversions

Conversions Part 1

Format	Color
Hex	7FBC78
RGB	127, 188, 120
RGB Percent	50%, 74%, 47%
CMY	0.5020, 0.2627, 0.5294
CMYK	0.32, 0.00, 0.36, 0.26
HSL	114°, 34%, 60%
HSV	114°, 36%, 74%
XYZ	30.1251, 41.8345, 24.2559
YIQ	162.0090, -14.5280, -34.0800

Conversions

Conversions Part 2

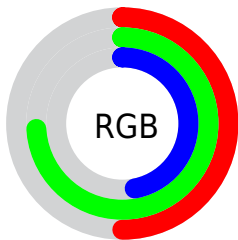
Format	Color
RYB	120, 188, 181
Decimal	8371320
CIELab	70.76, -33.05, 28.34
CIElCh	71, 43.534, 139.385
Yxy	41.8345, 0.3131, 0.4348
Android (android.graphics.Color)	4286561400 (0xFF7FBC78)
YUV	162.0090, -20.7104, -30.7029
Hunter-Lab	64.6796, -30.0514, 23.0410

Details

The Yxy color **41.8345, 0.3131, 0.4348** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **26.8891, 0.3093, 0.2386**, and the grayscale version is **36.2399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2670, 0.3143, 0.4135**, and **18.9882, 0.3108, 0.4709** is the 20% darker color. If you saturate the color by 10%, you get **40.2353, 0.3124, 0.4693**, and if you desaturate by 10%, it is **43.7437, 0.3134, 0.4019**.

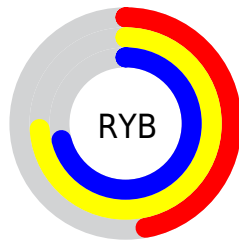
Distribution



Red (50%)

Green (74%)

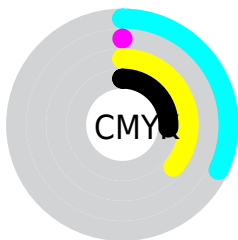
Blue (47%)



Red (47%)

Yellow (74%)

Blue (71%)

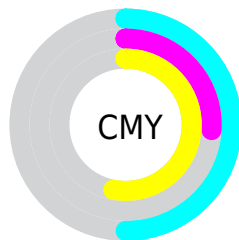


Cyan (32%)

Magenta (0%)

Yellow (36%)

Black (26%)



Cyan (50%)


Magenta (26%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8345, 0.3131, 0.4348 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 41.8345, 0.3131, 0.4348 by changing the saturation by 10% instead.


 41.8345, 0.3131,
0.4348

 41.8345, 0.3131,
0.4348


353.7964, 0.3146,
0.3781


 28.9717, 0.3120,
0.4501


 77.9491, 0.3141,
0.4133

 19.0594, 0.3101,
0.4705


 101.9697, 0.3144,
0.4055

 11.7132, 0.3067,
0.4987

 130.4783, 0.3145,
0.3990

 6.5487, 0.2998,
0.5399

163.8595, 0.3146,
0.3936

 3.1815, 0.2882,
0.6117

202.4974, 0.3147,
0.3889

 1.2272, 0.2094,
0.7906

246.7767, 0.3147,

 0.0838, 0.0000,

0.3848

1.0000

297.0815, 0.3147,
0.3813

■ 0.0000, 0.0000,
0.0000

■ 41.8345, 0.3131,
0.4348

■ 41.8345, 0.3131,
0.4348

■ 40.2353, 0.3124,
0.4693

■ 43.7437, 0.3134,
0.4019

■ 38.9247, 0.3113,
0.5036

■ 45.9724, 0.3133,
0.3715

■ 37.8869, 0.3097,
0.5355

■ 48.5363, 0.3130,
0.3443

■ 37.1025, 0.3077,
0.5626


■ 51.4484, 0.3125,
0.3201

■ 36.5494, 0.3053,
0.5827

■ 54.7213, 0.3120,
0.2991

 36.2012, 0.3030,
0.5948

 58.3665, 0.3113,
0.2808

 36.1104, 0.3024,
0.5981

 62.3954, 0.3107,
0.2649

 64.4485, 0.3158,
0.2634

Harmonies

Analogous

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



41.8345, 0.3736, 0.4424



41.8345, 0.3131, 0.4348



41.8345, 0.2556, 0.3871

Triad

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



41.8345, 0.3131, 0.4348



41.8345, 0.2117, 0.2377



41.8345, 0.4188, 0.3224

Complementary

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



41.8345, 0.3131, 0.4348



26.8891, 0.3093, 0.2386

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.



41.8345, 0.3665, 0.2786



41.8345, 0.3131, 0.4348



41.8345, 0.2466, 0.2315

Square

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



41.8345, 0.3131, 0.4348



41.8345, 0.2011, 0.2680



41.8345, 0.3020, 0.2464



41.8345, 0.4386, 0.3706

Rectangle

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



41.8345, 0.3131, 0.4348



41.8345, 0.2265, 0.3436



41.8345, 0.3020, 0.2464



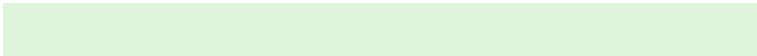
41.8345, 0.4042, 0.3069

Sweetspot

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



41.8363, 0.3131, 0.4348



85.5551, 0.3132, 0.3575



44.7193, 0.3697, 0.4086



18.2643, 0.3132, 0.3612



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.



41.8363, 0.3131, 0.4348



73.5822, 0.3126, 0.4607



42.0391, 0.2899, 0.3941



10.6953, 0.3131, 0.3526



24.6003, 0.3028, 0.5978



0.9795, 0.3126, 0.5900

Inverse Universe

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



26.8891, 0.3093, 0.2386



42.6891, 0.3081, 0.2204



26.7314, 0.3459, 0.2721



9.6451, 0.3122, 0.3063



8.2086, 0.2954, 0.1401



0.3361, 0.3019, 0.1437

Previews

White Background



This preview shows how the Yxy color 41.8345, 0.3131, 0.4348 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 41.8345, 0.3131, 0.4348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

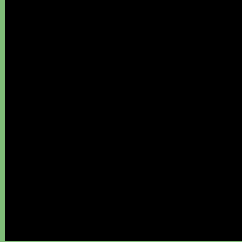
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8345, 0.3131, 0.4348

Background



This preview shows how black text looks on a background with the Yxy color 41.8345, 0.3131, 0.4348.



This preview shows how white text looks on a background with the Yxy color 41.8345, 0.3131, 0.4348.

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

41.8345, 0.3131, 0.4348

Protanopia

41.2847, 0.3774, 0.4070

Deuteranopia

41.2283, 0.3879, 0.3802



Tritanopia

41.6659, 0.2712, 0.3091

Trichromacy



Original Color

41.8345, 0.3131, 0.4348

Protanomaly

41.1011, 0.3518, 0.4180

Deuteranomaly

40.5473, 0.3584, 0.3990

Tritanomaly

41.3600, 0.2866, 0.3527

Monochromacy



Original Color

41.8345, 0.3131, 0.4348

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.6220, 0.3128, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8345, 0.3131, 0.4348 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(127, 188, 120)` looks like.

```
.text, #text, p{  
    color:rgb(127, 188, 120)  
}
```

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(127, 188, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 188, 120) }
```

Border

The CSS property to change the border of an element to Yxy 41.8345, 0.3131, 0.4348 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(127, 188, 120) }
```

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

```
.border{ border-color:rgb(127, 188, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 188, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 188, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 188, 120);  
box-shadow:4px 4px 4px 4px rgb(127, 188,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8345, 0.3131, 0.4348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 188, 120) }
```

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

```
.background{ background-color: rgb(127,  
188, 120) }
```

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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