

Converting Colors

$Yxy(40.4489, 0.3087, 0.4356)$

Have a look what the booklet for
Yxy(40.4489, 0.3087, 0.4356)
contains.

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Color

Yxy(40.4428, 0.3085, 0.4357)

Conversions

Conversions Part 1

Format	Color
Hex	78BA77
RGB	120, 186, 119
RGB Percent	47%, 73%, 47%
CMY	0.5293, 0.2706, 0.5334
CMYK	0.35, 0.00, 0.36, 0.27
HSL	119°, 33%, 60%
HSV	119°, 36%, 73%
XYZ	28.6358, 40.4428, 23.7440
YIQ	158.6280, -17.8290, -34.8290

Conversions

Conversions Part 2

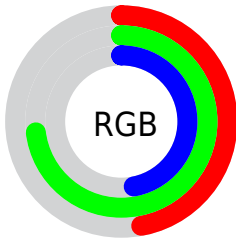
Format	Color
RYB	119, 186, 185
Decimal	7912055
CIELab	69.78, -34.57, 27.52
CIELCh	70, 44.184, 141.473
Yxy	40.4428, 0.3085, 0.4357
Android (android.graphics.Color)	4286102135 (0xFF78BA77)
YUV	158.6280, -19.5366, -33.8768
Hunter-Lab	63.5947, -30.9146, 22.3794

Details

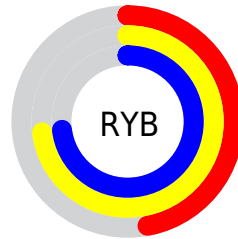
The Yxy color **40.4428, 0.3085, 0.4357** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **27.0446, 0.3157, 0.2408**, and the grayscale version is **34.5914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0784, 0.3100, 0.4140**, and **18.1380, 0.3032, 0.4712** is the 20% darker color. If you saturate the color by 10%, you get **38.8538, 0.3070, 0.4710**, and if you desaturate by 10%, it is **42.3731, 0.3099, 0.4021**.

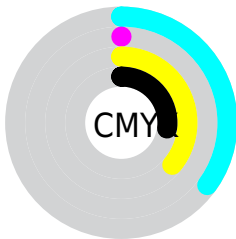
Distribution



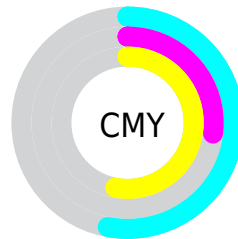
- Red (47%)
- Green (73%)
- Blue (47%)



- Red (47%)
- Yellow (73%)
- Blue (73%)



- Cyan (35%)
- Magenta (0%)
- Yellow (36%)
- Black (27%)





- Cyan (53%)
- Magenta (27%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4428, 0.3085, 0.4357 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 40.4428, 0.3085, 0.4357 by changing the saturation by 10% instead.

 40.4428, 0.3085,
0.4357


 40.4428, 0.3085,
0.4357


347.9864, 0.3124,
0.3781


 27.8840, 0.3068,
0.4514


 75.8373, 0.3104,
0.4138

 18.2382, 0.3040,
0.4725


 99.4418, 0.3110,
0.4058

 11.1211, 0.2994,
0.5018


 127.4969, 0.3114,
0.3992

 6.1484, 0.2908,
0.5452

160.3871, 0.3117,
0.3937

 2.9355, 0.2773,
0.6247

198.4968, 0.3120,
0.3890

 1.0982, 0.1446,
0.8554


242.2103, 0.3122,


 0.0000, 0.0000,

0.3849


0.0000


291.9120, 0.3123,
0.3813

 40.4428, 0.3085,
0.4357


 40.4428, 0.3085,
0.4357


 38.8538, 0.3070,
0.4710


 42.3731, 0.3099,
0.4021


 37.5814, 0.3054,
0.5061


 44.6574, 0.3111,
0.3714


 36.6060, 0.3038,
0.5386


 47.3141, 0.3122,
0.3439


 35.9036, 0.3024,
0.5659


 50.3587, 0.3131,
0.3198

 35.4463, 0.3012,
0.5855

 53.8060, 0.3138,
0.2990

 35.2000, 0.3005,
0.5966

 57.6698, 0.3144,
0.2810

 35.1369, 0.3003,
0.5997

 61.9634, 0.3149,
0.2656

 63.5983, 0.3159,
0.2614

Harmonies

Analogous

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



40.4428, 0.3709, 0.4462



40.4428, 0.3085, 0.4357



40.4428, 0.2505, 0.3843

Triad

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



40.4428, 0.3085, 0.4357



40.4428, 0.2111, 0.2343



40.4428, 0.4243, 0.3254

Complementary

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



40.4428, 0.3085, 0.4357



27.0446, 0.3157, 0.2408

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.



40.4428, 0.3723, 0.2802



40.4428, 0.3085, 0.4357



40.4428, 0.2482, 0.2297

Square

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



40.4428, 0.3085, 0.4357



40.4428, 0.1984, 0.2633



40.4428, 0.3061, 0.2463



40.4428, 0.4417, 0.3747

Rectangle

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



40.4428, 0.3085, 0.4357



40.4428, 0.2218, 0.3391



40.4428, 0.3061, 0.2463



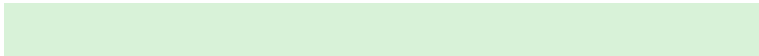
40.4428, 0.4101, 0.3095

Sweetspot

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



40.4445, 0.3085, 0.4357



83.1918, 0.3116, 0.3576



46.4203, 0.3666, 0.4160



18.1777, 0.3115, 0.3614



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.



40.4445, 0.3085, 0.4357



71.0397, 0.3073, 0.4627



41.2857, 0.2854, 0.3828



10.0666, 0.3118, 0.3526



23.6417, 0.3004, 0.5997



0.8357, 0.3021, 0.5984

Inverse Universe

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



27.0446, 0.3157, 0.2408



43.2632, 0.3162, 0.2231



25.9491, 0.3537, 0.2812



9.1555, 0.3135, 0.3065



9.1709, 0.3171, 0.1521



0.3256, 0.3182, 0.1526

Previews

White Background



This preview shows how the Yxy color 40.4428, 0.3085, 0.4357 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 40.4428, 0.3085, 0.4357 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 40.4428, 0.3085, 0.4357

Background



This preview shows how black text looks on a background with the Yxy color 40.4428, 0.3085, 0.4357.



This preview shows how white text looks on a background with the Yxy color 40.4428, 0.3085, 0.4357.

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

40.4428, 0.3085, 0.4357

Protanopia

40.1096, 0.3771, 0.4081

Deuteranopia

40.0671, 0.3868, 0.3796



Tritanopia

40.2742, 0.2680, 0.3087

Trichromacy



Original Color

40.4428, 0.3085, 0.4357

Protanomaly

39.8655, 0.3495, 0.4181

Deuteranomaly

39.3016, 0.3561, 0.3988

Tritanomaly

40.0263, 0.2826, 0.3517

Monochromacy



Original Color

40.4428, 0.3085, 0.4357

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.4093, 0.3118, 0.3674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4428, 0.3085, 0.4357 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(120, 186, 119)` looks like.

```
.text, #text, p{  
    color:rgb(120, 186, 119)  
}
```

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(120, 186, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 186, 119) }
```

Border

The CSS property to change the border of an element to Yxy 40.4428, 0.3085, 0.4357 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(120, 186, 119) }
```

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

```
.border{ border-color:rgb(120, 186, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 186, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 186, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 186, 119);  
box-shadow:4px 4px 4px 4px rgb(120, 186,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4428, 0.3085, 0.4357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 186, 119) }
```

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

```
.background{ background-color: rgb(120,  
186, 119) }
```

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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