

Converting Colors

$Y_{xy}(45.5776, 0.3520, 0.4081)$

Have a look what the booklet for
Yxy(45.5776, 0.3520, 0.4081)
contains.

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Color

Yxy(45.5773, 0.3520, 0.4081)

Conversions

Conversions Part 1

Format	Color
Hex	B1B97F
RGB	177, 185, 127
RGB Percent	69%, 73%, 50%
CMY	0.3058, 0.2745, 0.5021
CMYK	0.04, 0.00, 0.31, 0.27
HSL	68°, 29%, 61%
HSV	68°, 31%, 73%
XYZ	39.3120, 45.5773, 26.7924
YIQ	175.9960, 13.8500, -19.7340

Conversions

Conversions Part 2

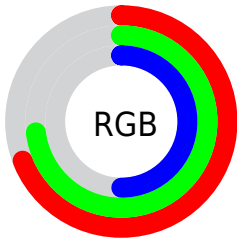
Format	Color
RYB	127, 185, 135
Decimal	11647359
CIELab	73.27, -12.25, 28.59
CIElCh	73, 31.102, 113.201
Yxy	45.5773, 0.3520, 0.4081
Android (android.graphics.Color)	4289837439 (0xFFB1B97F)
YUV	175.9960, -24.1550, 0.8805
Hunter-Lab	67.5110, -14.2028, 23.7278

Details

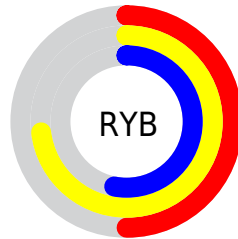
The Yxy color $45.5773, 0.3520, 0.4081$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $23.8205, 0.2652, 0.2400$, and the grayscale version is $43.5375, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.5295, 0.3453, 0.3935$, and $21.3234, 0.3623, 0.4315$ is the 20% darker color. If you saturate the color by 10%, you get $44.8443, 0.3638, 0.4334$, and if you desaturate by 10%, it is $46.4085, 0.3395, 0.3823$.

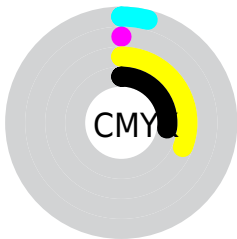
Distribution



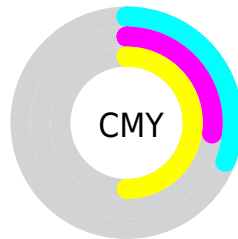
- Red (69%)
- Green (73%)
- Blue (50%)



- Red (50%)
- Yellow (73%)
- Blue (53%)



- Cyan (4%)
- Magenta (0%)
- Yellow (31%)
- Black (27%)




- Cyan (31%)
- Magenta (27%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5773, 0.3520, 0.4081 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 45.5773, 0.3520, 0.4081 by changing the saturation by 10% instead.


 45.5773, 0.3520,
0.4081


 45.5773, 0.3520,
0.4081


369.1066, 0.3331,
0.3677


 31.9124, 0.3564,
0.4183


 83.5860, 0.3454,
0.3933

 21.2946, 0.3617,
0.4315


 108.6986, 0.3428,
0.3877

 13.3395, 0.3683,
0.4490


 138.3960, 0.3406,
0.3831

 7.6627, 0.3763,
0.4732

173.0623, 0.3387,
0.3791

 3.8799, 0.3858,
0.5085

213.0822, 0.3370,
0.3757

 1.6066, 0.4116,
0.5884

258.8400, 0.3356,

 0.3621, 0.1106,

0.3727

0.8894

310.7200, 0.3343,
0.3700

0.0000, 0.0000,
0.0000

45.5773, 0.3520,
0.4081

45.5773, 0.3520,
0.4081

44.8443, 0.3638,
0.4334

46.4085, 0.3395,
0.3823

44.1985, 0.3743,
0.4572

47.3363, 0.3269,
0.3568

43.6367, 0.3832,
0.4785


48.3670, 0.3144,
0.3323


43.1528, 0.3898,
0.4963


49.5046, 0.3024,
0.3091

42.7400, 0.3939,
0.5099

50.7526, 0.2910,
0.2875


 42.3903, 0.3955,
0.5192

 52.1148, 0.2803,
0.2676

 42.1253, 0.3953,
0.5244

 53.4995, 0.2713,
0.2509

 53.8412, 0.2731,
0.2513

 54.1888, 0.2749,
0.2516

Harmonies

Analogous

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



45.5773, 0.3859, 0.3946



45.5773, 0.3520, 0.4081



45.5773, 0.3089, 0.3973

Triad

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



45.5773, 0.3520, 0.4081



45.5773, 0.2322, 0.2836



45.5773, 0.3559, 0.2970

Complementary

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



45.5773, 0.3520, 0.4081



23.8205, 0.2652, 0.2400

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.



45.5773, 0.3116, 0.2716



45.5773, 0.3520, 0.4081



45.5773, 0.2425, 0.2626

Square

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



45.5773, 0.3520, 0.4081



45.5773, 0.2413, 0.3201



45.5773, 0.2706, 0.2591



45.5773, 0.3893, 0.3303

Rectangle

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



45.5773, 0.3520, 0.4081



45.5773, 0.2811, 0.3766



45.5773, 0.2706, 0.2591



45.5773, 0.3416, 0.2874

Sweetspot

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



45.5793, 0.3520, 0.4081



85.1705, 0.3241, 0.3513



29.0921, 0.3795, 0.3402



18.3055, 0.3259, 0.3549



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



45.5793, 0.3520, 0.4081



80.6589, 0.3606, 0.4265



42.5494, 0.3262, 0.4151



10.4390, 0.3243, 0.3517



28.7062, 0.3956, 0.5241



1.0294, 0.4021, 0.5189

Inverse Universe

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



23.8205, 0.2652, 0.2400



35.2391, 0.2519, 0.2160



26.5364, 0.2939, 0.2469



8.7772, 0.3005, 0.3055



2.5490, 0.1561, 0.0633



0.1090, 0.1751, 0.0738

Previews

White Background



This preview shows how the Yxy color 45.5773, 0.3520, 0.4081 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 45.5773, 0.3520, 0.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

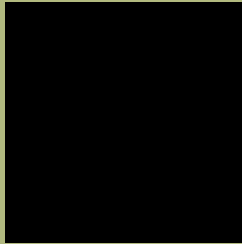
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5773, 0.3520, 0.4081

Background



This preview shows how black text looks on a background with the Yxy color 45.5773, 0.3520, 0.4081.



This preview shows how white text looks on a background with the Yxy color 45.5773, 0.3520, 0.4081.

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

45.5773, 0.3520, 0.4081

Protanopia

45.5925, 0.3713, 0.4005

Deuteranopia

45.2629, 0.3887, 0.3807



Tritanopia

45.5202, 0.3084, 0.3110

Trichromacy



Original Color

45.5773, 0.3520, 0.4081

Protanomaly

45.6536, 0.3640, 0.4031

Deuteranomaly

45.3086, 0.3749, 0.3905

Tritanomaly

45.4148, 0.3242, 0.3449

Monochromacy



Original Color

45.5773, 0.3520, 0.4081

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.9389, 0.3272, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5773, 0.3520, 0.4081 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(177, 185, 127)` looks like.

```
.text, #text, p{  
    color:rgb(177, 185, 127)  
}
```

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(177, 185, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 185, 127) }
```

Border

The CSS property to change the border of an element to Yxy 45.5773, 0.3520, 0.4081 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(177, 185, 127) }
```

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

```
.border{ border-color:rgb(177, 185, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 185, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 185, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 185, 127);  
box-shadow:4px 4px 4px 4px rgb(177, 185,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5773, 0.3520, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 185, 127) }
```

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

```
.background{ background-color: rgb(177,  
185, 127) }
```

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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