

Converting Colors

$Yxy(45.7145, 0.3032, 0.3999)$

Have a look what the booklet for
Yxy(45.7145, 0.3032, 0.3999)
contains.

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Color

Yxy(45.5026, 0.3033, 0.4000)

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 89C191 |
| RGB | 137, 193, 145 |
| RGB Percent | 54%, 76%, 57% |
| CMY | 0.4626, 0.2432, 0.4314 |
| CMYK | 0.29, 0.00, 0.25, 0.24 |
| HSL | 129°, 31%, 65% |
| HSV | 129°, 29%, 76% |
| XYZ | 34.5023, 45.5026, 33.7516 |
| YIQ | 170.7840, -17.9680, -26.8000 |

Conversions

Conversions Part 2

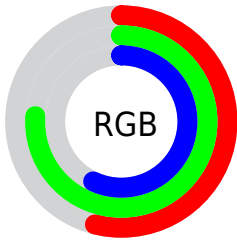
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 137, 186, 193 |
| Decimal | 9027985 |
| CIELab | 73.22, -27.90, 18.48 |
| CIELCh | 73, 33.463, 146.488 |
| Yxy | 45.5026, 0.3033, 0.4000 |
| Android (android.graphics.Color) | 4287218065 (0xFF89C191) |
| YUV | 170.7840, -12.7115, -29.6286 |
| Hunter-Lab | 67.4556, -26.7478, 17.5531 |

Details

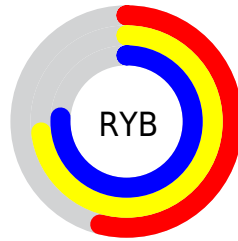
The Yxy color **45.5026, 0.3033, 0.4000** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.7451, 0.3239, 0.2671**, and the grayscale version is **40.6874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7012, 0.3057, 0.3864**, and **21.2047, 0.2994, 0.4233** is the 20% darker color. If you saturate the color by 10%, you get **43.5420, 0.3003, 0.4296**, and if you desaturate by 10%, it is **47.8332, 0.3065, 0.3728**.

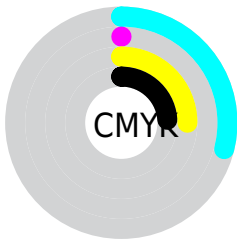
Distribution



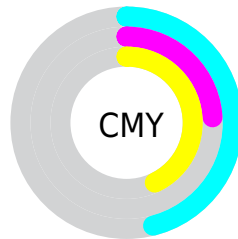
- Red (54%)
- Green (76%)
- Blue (57%)



- Red (54%)
- Yellow (73%)
- Blue (76%)



- Cyan (29%)
- Magenta (0%)
- Yellow (25%)
- Black (24%)




- Cyan (46%)
- Magenta (24%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5026, 0.3033, 0.4000 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 45.5026, 0.3033, 0.4000 by changing the saturation by 10% instead.


 45.5026, 0.3033,
0.4000

 45.5026, 0.3033,
0.4000

368.8053, 0.3088,
0.3628

 31.8535, 0.3016,
0.4098


 83.4741, 0.3055,
0.3861

 21.2496, 0.2993,
0.4228


 108.5653, 0.3063,
0.3810

 13.3066, 0.2959,
0.4405


 138.2393, 0.3069,
0.3767

 7.6400, 0.2904,
0.4664

172.8805, 0.3074,
0.3731

 3.8655, 0.2807,
0.5073

212.8733, 0.3079,
0.3700

 1.5986, 0.2720,
0.6123

258.6021, 0.3082,

 0.3567, 0.0000,

0.3673

1.0000

310.4513, 0.3085,
0.3649

0.0000, 0.0000,
0.0000

45.5026, 0.3033,
0.4000

45.5026, 0.3033,
0.4000

43.5420, 0.3003,
0.4296

47.8332, 0.3065,
0.3728

41.9270, 0.2976,
0.4609

50.5455, 0.3098,
0.3485

40.6389, 0.2956,
0.4927

53.6576, 0.3130,
0.3270


39.6553, 0.2945,
0.5231


57.1850, 0.3161,
0.3082


38.9505, 0.2944,
0.5501


61.1421, 0.3190,
0.2919

 38.4949, 0.2953,
0.5720

 65.5428, 0.3217,
0.2778

 38.2400, 0.2968,
0.5875

 66.6181, 0.3156,
0.2683

 38.2193, 0.2969,
0.5887

Harmonies

Analogous

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



45.5026, 0.3498, 0.4145



45.5026, 0.3033, 0.4000



45.5026, 0.2613, 0.3611

Triad

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



45.5026, 0.3033, 0.4000



45.5026, 0.2399, 0.2565



45.5026, 0.3978, 0.3342

Complementary

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



45.5026, 0.3033, 0.4000



32.7451, 0.3239, 0.2671

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.



45.5026, 0.3639, 0.2982



45.5026, 0.3033, 0.4000



45.5026, 0.2717, 0.2550

Square

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



45.5026, 0.3033, 0.4000



45.5026, 0.2268, 0.2766



45.5026, 0.3167, 0.2701



45.5026, 0.4065, 0.3715

Rectangle

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



45.5026, 0.3033, 0.4000



45.5026, 0.2411, 0.3295



45.5026, 0.3167, 0.2701



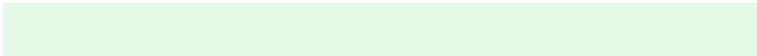
45.5026, 0.3889, 0.3217

Sweetspot

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



45.5045, 0.3033, 0.4000



90.4539, 0.3098, 0.3488



50.3266, 0.3494, 0.4021



19.2433, 0.3093, 0.3522



97.7402, 0.3127, 0.3290



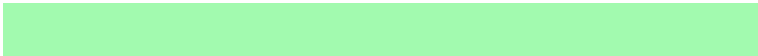
20.4902, 0.3127, 0.3290

Same Dimension

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



45.5045, 0.3033, 0.4000



79.1262, 0.3013, 0.4192



46.4572, 0.2845, 0.3584



11.2816, 0.3097, 0.3493



25.4288, 0.2965, 0.5873



1.1064, 0.2871, 0.5535

Inverse Universe

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



32.7451, 0.3239, 0.2671



52.4413, 0.3269, 0.2531



31.6941, 0.3528, 0.3016



10.2221, 0.3159, 0.3095



9.3702, 0.3600, 0.1757



0.4118, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 45.5026, 0.3033, 0.4000 looks on a white background.

Color Contrast Check

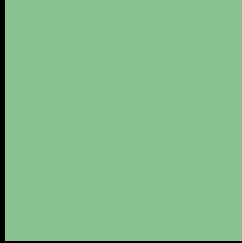
Large Text (above 18pt) WCAG AA × Fail

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 45.5026, 0.3033, 0.4000 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 45.5026, 0.3033, 0.4000

Background



This preview shows how black text looks on a background with the Yxy color 45.5026, 0.3033, 0.4000.



This preview shows how white text looks on a background with the Yxy color 45.5026, 0.3033, 0.4000.

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

45.5026, 0.3033, 0.4000

Protanopia

45.1515, 0.3579, 0.3830

Deuteranopia

44.9404, 0.3657, 0.3580



Tritanopia

45.5379, 0.2719, 0.3085

Trichromacy



Original Color

45.5026, 0.3033, 0.4000

Protanomaly

44.8620, 0.3357, 0.3887

Deuteranomaly

44.7257, 0.3408, 0.3722

Tritanomaly

45.5710, 0.2827, 0.3402

Monochromacy



Original Color

45.5026, 0.3033, 0.4000

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.2198, 0.3090, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5026, 0.3033, 0.4000 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(137, 193, 145)` looks like.

```
.text, #text, p{  
    color:rgb(137, 193, 145)  
}
```

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(137, 193, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 193, 145) }
```

Border

The CSS property to change the border of an element to Yxy 45.5026, 0.3033, 0.4000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

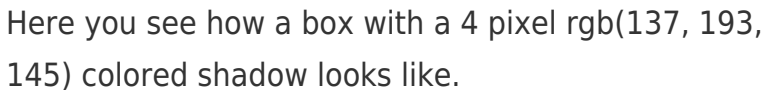
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 193, 145) }
```

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

```
.border{ border-color:rgb(137, 193, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 193, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 193, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 193, 145); box-shadow:4px 4px 4px 4px rgb(137, 193, 145) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5026, 0.3033, 0.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 193, 145) }
```

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

```
.background{ background-color: rgb(137,  
193, 145) }
```

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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