

Converting Colors

$Yxy(45.6195, 0.3001, 0.3588)$

Have a look what the booklet for
Yxy(45.6195, 0.3001, 0.3588)
contains.

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Color

Yxy(45.5288, 0.3000, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	99BCA7
RGB	153, 188, 167
RGB Percent	60%, 74%, 65%
CMY	0.4002, 0.2627, 0.3450
CMYK	0.19, 0.00, 0.11, 0.26
HSL	144°, 21%, 67%
HSV	144°, 19%, 74%
XYZ	38.0888, 45.5288, 43.3450
YIQ	175.1410, -14.1190, -13.9510

Conversions

Conversions Part 2

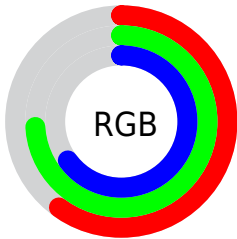
Format	Color
RYB	153, 178, 188
Decimal	10075303
CIELab	73.24, -16.02, 6.73
CIELCh	73, 17.378, 157.202
Yxy	45.5288, 0.3000, 0.3586
Android (android.graphics.Color)	4288265383 (0xFF99BCA7)
YUV	175.1410, -4.0135, -19.4177
Hunter-Lab	67.4750, -17.3203, 9.1454

Details

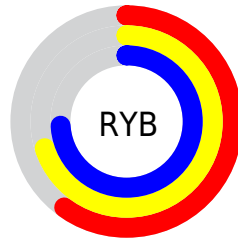
The Yxy color **45.5288, 0.3000, 0.3586** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.5135, 0.3279, 0.3012**, and the grayscale version is **42.9699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3852, 0.3027, 0.3528**, and **21.3325, 0.2958, 0.3685** is the 20% darker color. If you saturate the color by 10%, you get **43.4452, 0.2936, 0.3771**, and if you desaturate by 10%, it is **47.9407, 0.3068, 0.3419**.

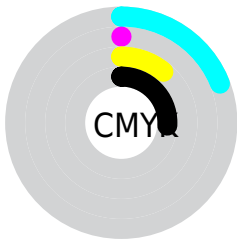
Distribution



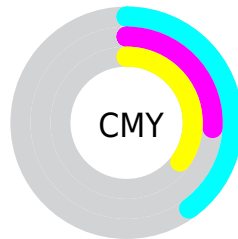
- Red (60%)
- Green (74%)
- Blue (65%)



- Red (60%)
- Yellow (70%)
- Blue (74%)



- Cyan (19%)
- Magenta (0%)
- Yellow (11%)
- Black (26%)



- Cyan (40%)
- Magenta (26%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5288, 0.3000, 0.3586 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 45.5288, 0.3000, 0.3586 by changing the saturation by 10% instead.

 45.5288, 0.3000,
0.3586


 45.5288, 0.3000,
0.3586


368.9110, 0.3065,
0.3434

 31.8741, 0.2983,
0.3625


 83.5134, 0.3024,
0.3530

 21.2654, 0.2961,
0.3676


 108.6121, 0.3033,
0.3509

 13.3181, 0.2931,
0.3745


138.2942, 0.3041,
0.3492

 7.6480, 0.2888,
0.3845

172.9443, 0.3047,
0.3477

 3.8705, 0.2820,
0.4000

212.9466, 0.3053,
0.3464

 1.6014, 0.2701,
0.4273

258.6855, 0.3057,

 0.3585, 0.0000,

0.3453

1.0000

310.5456, 0.3062,
0.3443

0.0000, 0.0000,
0.0000

45.5288, 0.3000,
0.3586

45.5288, 0.3000,
0.3586

43.4452, 0.2936,
0.3771

47.9407, 0.3068,
0.3419

41.6698, 0.2877,
0.3973

50.6887, 0.3136,
0.3271

40.1891, 0.2827,
0.4190

53.7873, 0.3205,
0.3140

38.9860, 0.2790,
0.4419

57.2487, 0.3271,
0.3025

38.0421, 0.2768,
0.4651

61.0841, 0.3336,
0.2924

■ 37.3361, 0.2764,
0.4881

■ 63.2067, 0.3312,
0.2822

■ 36.8436, 0.2778,
0.5100

■ 63.8769, 0.3226,
0.2717

■ 36.5239, 0.2809,
0.5300

■ 64.4528, 0.3158,
0.2634

■ 36.4863, 0.2813,
0.5326

Harmonies

Analogous

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



45.5288, 0.3245, 0.3710



45.5288, 0.3000, 0.3586



45.5288, 0.2795, 0.3374

Triad

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



45.5288, 0.3000, 0.3586



45.5288, 0.2791, 0.2887



45.5288, 0.3598, 0.3404

Complementary

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



45.5288, 0.3000, 0.3586



36.5135, 0.3279, 0.3012

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.



45.5288, 0.3467, 0.3198



45.5288, 0.3000, 0.3586



45.5288, 0.2995, 0.2907

Square

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



45.5288, 0.3000, 0.3586



45.5288, 0.2677, 0.2970



45.5288, 0.3243, 0.3019



45.5288, 0.3596, 0.3592

Rectangle

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



45.5288, 0.3000, 0.3586



45.5288, 0.2705, 0.3219



45.5288, 0.3243, 0.3019



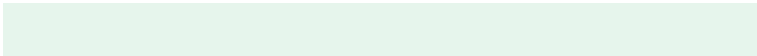
45.5288, 0.3568, 0.3335

Sweetspot

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



45.5307, 0.3000, 0.3586



88.0817, 0.3085, 0.3380



47.2684, 0.3281, 0.3766



18.8743, 0.3081, 0.3390



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.



45.5307, 0.3000, 0.3586



81.0339, 0.2976, 0.3653



46.2223, 0.2875, 0.3338



10.7113, 0.3063, 0.3431



24.8513, 0.2806, 0.5302



0.9864, 0.2669, 0.4807

Inverse Universe

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



36.5135, 0.3279, 0.3012



61.9523, 0.3316, 0.2954



35.8752, 0.3450, 0.3243



9.6297, 0.3197, 0.3153



8.0999, 0.4525, 0.2267



0.3299, 0.4131, 0.2049

Previews

White Background



This preview shows how the Yxy color 45.5288, 0.3000, 0.3586 looks on a white background.

Color Contrast Check

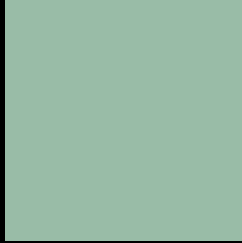
Large Text (above 18pt) WCAG AA × Fail

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 45.5288, 0.3000, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

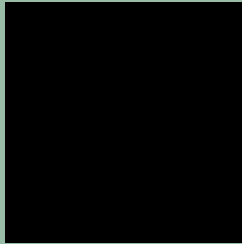
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5288, 0.3000, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 45.5288, 0.3000, 0.3586.



This preview shows how white text looks on a background with the Yxy color 45.5288, 0.3000, 0.3586.

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

45.5288, 0.3000, 0.3586

Protanopia

45.4136, 0.3338, 0.3514

Deuteranopia

45.0688, 0.3399, 0.3329



Tritanopia

45.7291, 0.2824, 0.3102

Trichromacy



Original Color

45.5288, 0.3000, 0.3586

Protanomaly

45.2502, 0.3210, 0.3534

Deuteranomaly

44.7726, 0.3245, 0.3410

Tritanomaly

45.4539, 0.2887, 0.3262

Monochromacy



Original Color

45.5288, 0.3000, 0.3586

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.8366, 0.3079, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5288, 0.3000, 0.3586 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(153, 188, 167)` looks like.

```
.text, #text, p{  
    color:rgb(153, 188, 167)  
}
```

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(153, 188, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 188, 167) }
```

Border

The CSS property to change the border of an element to Yxy 45.5288, 0.3000, 0.3586 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(153, 188, 167) }
```

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

```
.border{ border-color:rgb(153, 188, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 188, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 188, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 188, 167);  
box-shadow:4px 4px 4px 4px rgb(153, 188,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5288, 0.3000, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 188, 167) }
```

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

```
.background{ background-color: rgb(153,  
188, 167) }
```

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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