

Converting Colors

$Y_{xy}(45.0025, 0.3048, 0.3585)$

Have a look what the booklet for
Yxy(45.0025, 0.3048, 0.3585)
contains.

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Color

Yxy(45.0025, 0.3048, 0.3585)

Conversions

Conversions Part 1

Format	Color
Hex	9DBAA5
RGB	157, 186, 165
RGB Percent	62%, 73%, 65%
CMY	0.3841, 0.2706, 0.3529
CMYK	0.16, 0.00, 0.11, 0.27
HSL	136°, 17%, 67%
HSV	136°, 16%, 73%
XYZ	38.2615, 45.0025, 42.2659
YIQ	174.9350, -10.5430, -12.6790

Conversions

Conversions Part 2

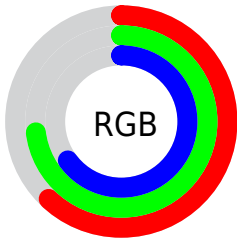
Format	Color
RYB	157, 180, 186
Decimal	10336933
CIELab	72.89, -13.98, 7.37
CIELCh	73, 15.800, 152.197
Yxy	45.0025, 0.3048, 0.3585
Android (android.graphics.Color)	4288527013 (0xFF9DBAA5)
YUV	174.9350, -4.8980, -15.7290
Hunter-Lab	67.0839, -15.5887, 9.6033

Details

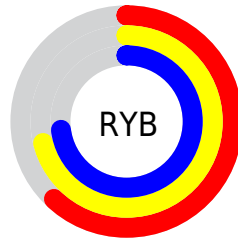
The Yxy color **45.0025, 0.3048, 0.3585** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.7842, 0.3217, 0.3012**, and the grayscale version is **42.8691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6686, 0.3064, 0.3527**, and **20.9706, 0.3020, 0.3684** is the 20% darker color. If you saturate the color by 10%, you get **42.8075, 0.2998, 0.3804**, and if you desaturate by 10%, it is **47.5380, 0.3099, 0.3389**.

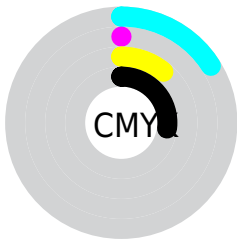
Distribution



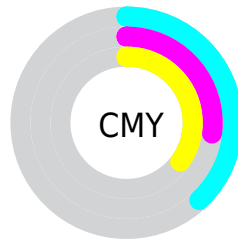
- Red (62%)
- Green (73%)
- Blue (65%)



- Red (62%)
- Yellow (71%)
- Blue (73%)



- Cyan (16%)
- Magenta (0%)
- Yellow (11%)
- Black (27%)





- Cyan (38%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0025, 0.3048, 0.3585 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 45.0025, 0.3048, 0.3585 by changing the saturation by 10% instead.


 45.0025, 0.3048,
0.3585


 45.0025, 0.3048,
0.3585


366.7837, 0.3089,
0.3434

 31.4594, 0.3037,
0.3624


 82.7242, 0.3063,
0.3529

 20.9489, 0.3023,
0.3675


 107.6715, 0.3069,
0.3508

 13.0867, 0.3003,
0.3745

137.1891, 0.3074,
0.3491

 7.4883, 0.2974,
0.3844

171.6612, 0.3078,
0.3476

 3.7693, 0.2928,
0.4000

211.4724, 0.3081,
0.3463

 1.5454, 0.2844,
0.4276

257.0069, 0.3084,

 0.3203, 0.0000,

0.3452

1.0000

308.6492, 0.3087,
0.3442

0.0000, 0.0000,
0.0000

45.0025, 0.3048,
0.3585

45.0025, 0.3048,
0.3585

42.8075, 0.2998,
0.3804

47.5380, 0.3099,
0.3389

40.9328, 0.2952,
0.4045

50.4217, 0.3150,
0.3216

39.3648, 0.2912,
0.4306

53.6684, 0.3199,
0.3064

38.0867, 0.2881,
0.4578

57.2902, 0.3246,
0.2931

37.0800, 0.2862,
0.4854

61.2988, 0.3291,
0.2816

■ 36.3242, 0.2857,
0.5121

■ 63.0250, 0.3226,
0.2696

■ 35.7954, 0.2867,
0.5365

■ 63.5950, 0.3159,
0.2614

■ 35.4644, 0.2892,
0.5574

■ 35.3548, 0.2904,
0.5655

Harmonies

Analogous

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



45.0025, 0.3272, 0.3680



45.0025, 0.3048, 0.3585



45.0025, 0.2850, 0.3402

Triad

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



45.0025, 0.3048, 0.3585



45.0025, 0.2795, 0.2927



45.0025, 0.3544, 0.3364

Complementary

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



45.0025, 0.3048, 0.3585



37.7842, 0.3217, 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.



45.0025, 0.3407, 0.3176



45.0025, 0.3048, 0.3585



45.0025, 0.2972, 0.2929

Square

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



45.0025, 0.3048, 0.3585



45.0025, 0.2708, 0.3020



45.0025, 0.3196, 0.3019



45.0025, 0.3564, 0.3541

Rectangle

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



45.0025, 0.3048, 0.3585



45.0025, 0.2758, 0.3261



45.0025, 0.3196, 0.3019



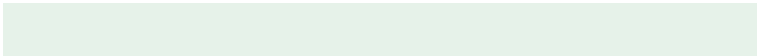
45.0025, 0.3510, 0.3300

Sweetspot

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



45.0044, 0.3048, 0.3585



86.4087, 0.3101, 0.3380



47.0484, 0.3289, 0.3678



18.9522, 0.3098, 0.3393



95.5105, 0.3127, 0.3290



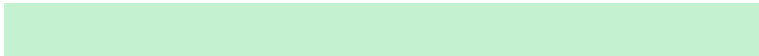
19.5994, 0.3127, 0.3290

Same Dimension

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



45.0044, 0.3048, 0.3585



80.0157, 0.3029, 0.3665



45.5522, 0.2943, 0.3383



10.0996, 0.3080, 0.3460



23.7986, 0.2898, 0.5633



0.8498, 0.2747, 0.5090

Inverse Universe

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



37.7842, 0.3217, 0.3012



64.1929, 0.3242, 0.2943



37.2413, 0.3350, 0.3199



9.1195, 0.3178, 0.3126



8.2113, 0.4039, 0.1999



0.2993, 0.3780, 0.1856

Previews

White Background



This preview shows how the Yxy color 45.0025, 0.3048, 0.3585 looks on a white background.

Color Contrast Check

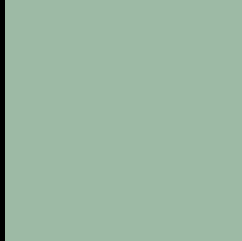
Large Text (above 18pt) WCAG AA × Fail

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 45.0025, 0.3048, 0.3585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

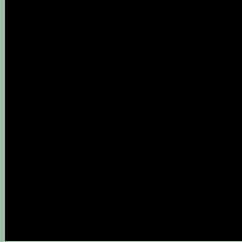
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

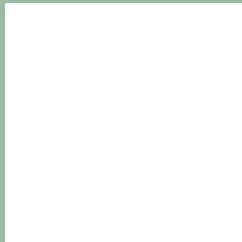
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0025, 0.3048, 0.3585

Background



This preview shows how black text looks on a background with the Yxy color 45.0025, 0.3048, 0.3585.



This preview shows how white text looks on a background with the Yxy color 45.0025, 0.3048, 0.3585.

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

45.0025, 0.3048, 0.3585

Protanopia

44.8531, 0.3339, 0.3516

Deuteranopia

44.6116, 0.3419, 0.3342



Tritanopia

45.1228, 0.2859, 0.3102

Trichromacy



Original Color

45.0025, 0.3048, 0.3585

Protanomaly

44.7703, 0.3228, 0.3548

Deuteranomaly

44.4246, 0.3272, 0.3423

Tritanomaly

44.8433, 0.2923, 0.3262

Monochromacy



Original Color

45.0025, 0.3048, 0.3585

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.5053, 0.3096, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0025, 0.3048, 0.3585 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(157, 186, 165)` looks like.

```
.text, #text, p{  
    color:rgb(157, 186, 165)  
}
```

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(157, 186, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 186, 165) }
```

Border

The CSS property to change the border of an element to Yxy 45.0025, 0.3048, 0.3585 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(157, 186, 165) }
```

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

```
.border{ border-color:rgb(157, 186, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 186, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 186, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 186, 165);  
box-shadow:4px 4px 4px 4px rgb(157, 186,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0025, 0.3048, 0.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 186, 165) }
```

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

```
.background{ background-color: rgb(157,  
186, 165) }
```

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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