

# Converting Colors

$Yxy(46.3718, 0.3008, 0.3385)$

Have a look what the booklet for  
Yxy(46.3718, 0.3008, 0.3385)  
contains.

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# Color

**Yxy(46.3718, 0.3008, 0.3385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5BAB3
RGB	165, 186, 179
RGB Percent	65%, 73%, 70%
CMY	0.3530, 0.2705, 0.2981
CMYK	0.11, 0.00, 0.04, 0.27
HSL	160°, 13%, 69%
HSV	160°, 11%, 73%
XYZ	41.2072, 46.3718, 49.4130
YIQ	178.9230, -10.2690, -6.6290

# Conversions

## Conversions Part 2

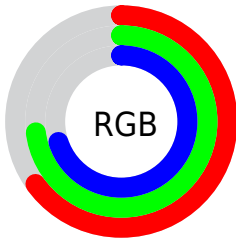
Format	Color
<a href="#">RYB</a>	<a href="#">165, 178, 186</a>
Decimal	<a href="#">10861235</a>
CIELab	<a href="#">73.79, -8.58, 1.11</a>
CIELCh	<a href="#">74, 8.654, 172.633</a>
Yxy	<a href="#">46.3718, 0.3008, 0.3385</a>
Android (android.graphics.Color)	<a href="#">4289051315</a> ( <a href="#">0xFFA5BAB3</a> )
YUV	<a href="#">178.9230, 0.0380, -12.2105</a>
Hunter-Lab	<a href="#">68.0968, -11.1544, 4.6453</a>

# Details

The Yxy color **46.3718, 0.3008, 0.3385** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.3228, 0.3263, 0.3197**, and the grayscale version is **45.0384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7181, 0.3027, 0.3363**, and **21.7921, 0.2977, 0.3421** is the 20% darker color. If you saturate the color by 10%, you get **44.2762, 0.2907, 0.3479**, and if you desaturate by 10%, it is **48.7728, 0.3113, 0.3300**.

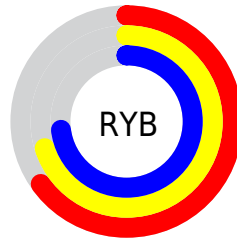
# Distribution



Red (65%)

Green (73%)

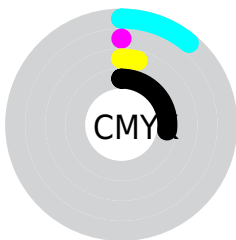
Blue (70%)



Red (65%)

Yellow (70%)

Blue (73%)

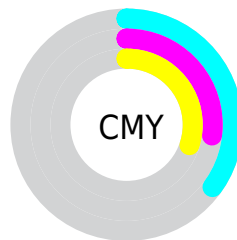


Cyan (11%)

Magenta (0%)

Yellow (4%)

Black (27%)



Cyan (35%)

Magenta (27%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3718, 0.3008, 0.3385 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 46.3718, 0.3008, 0.3385 by changing the saturation by 10% instead.



 46.3718, 0.3008,  
0.3385


 46.3718, 0.3008,  
0.3385


372.3014, 0.3068,  
0.3337

 32.5393, 0.2993,  
0.3397


 84.7752, 0.3030,  
0.3368

 21.7738, 0.2974,  
0.3413


 110.1148, 0.3038,  
0.3361

 13.6908, 0.2948,  
0.3433


140.0590, 0.3045,  
0.3356

 7.9059, 0.2912,  
0.3463

174.9921, 0.3051,  
0.3351

 4.0348, 0.2857,  
0.3507

215.2985, 0.3056,  
0.3347

 1.6930, 0.2766,  
0.3582

261.3626, 0.3060,

 0.4191, 0.1914,

0.3343

0.4247

313.5687, 0.3064,  
0.3340

0.0000, 0.0000,  
0.0000

46.3718, 0.3008,  
0.3385

46.3718, 0.3008,  
0.3385

44.2762, 0.2907,  
0.3479

48.7728, 0.3113,  
0.3300

42.4675, 0.2813,  
0.3581

51.4851, 0.3220,  
0.3225

40.9341, 0.2729,  
0.3691

54.5219, 0.3328,  
0.3157

39.6614, 0.2657,  
0.3808

57.8939, 0.3433,  
0.3098

38.6333, 0.2602,  
0.3931

61.0406, 0.3512,  
0.3043

■ 37.8320, 0.2564,  
0.4058

■ 61.3570, 0.3460,  
0.2981

■ 37.2372, 0.2546,  
0.4186

■ 61.6857, 0.3410,  
0.2919

■ 36.8246, 0.2548,  
0.4313

■ 62.0267, 0.3360,  
0.2858

■ 36.5726, 0.2562,  
0.4422

■ 62.3801, 0.3311,  
0.2798

# Harmonies

## Analogous

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



46.3718, 0.3125, 0.3469



46.3718, 0.3008, 0.3385



46.3718, 0.2924, 0.3275

# Triad

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



46.3718, 0.3008, 0.3385



46.3718, 0.3009, 0.3085



46.3718, 0.3367, 0.3402

# Complementary

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



46.3718, 0.3008, 0.3385



40.3228, 0.3263, 0.3197

# 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.



46.3718, 0.3334, 0.3300



46.3718, 0.3008, 0.3385



46.3718, 0.3126, 0.3120

# Square

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



46.3718, 0.3008, 0.3385



46.3718, 0.2924, 0.3103



46.3718, 0.3246, 0.3197



46.3718, 0.3333, 0.3477



# Rectangle

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



46.3718, 0.3008, 0.3385



46.3718, 0.2897, 0.3204



46.3718, 0.3246, 0.3197



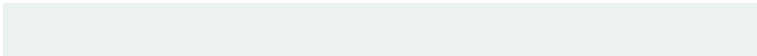
46.3718, 0.3363, 0.3369

# Sweetspot

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



46.3738, 0.3008, 0.3385



87.5929, 0.3095, 0.3315



46.6481, 0.3176, 0.3575



19.2091, 0.3086, 0.3321



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.



46.3738, 0.3008, 0.3385



82.8758, 0.2978, 0.3411



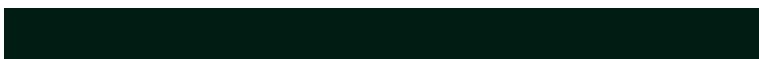
45.3509, 0.2956, 0.3247



10.1582, 0.3029, 0.3368



24.6157, 0.2557, 0.4406



0.8788, 0.2467, 0.4082



# Inverse Universe

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



40.3228, 0.3263, 0.3197



69.3472, 0.3303, 0.3172



41.2115, 0.3321, 0.3333



9.0605, 0.3237, 0.3214



7.2714, 0.5603, 0.2860



0.2681, 0.4864, 0.2453



# Previews

## White Background



This preview shows how the Yxy color 46.3718, 0.3008, 0.3385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

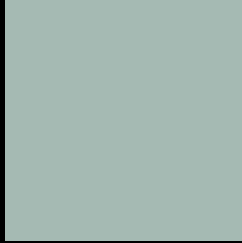
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.3718, 0.3008, 0.3385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

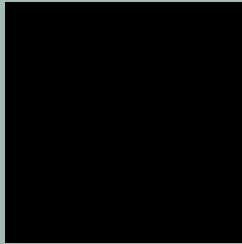
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

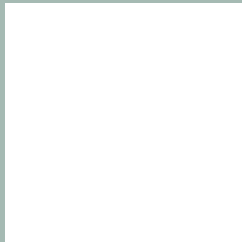
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.3718, 0.3008, 0.3385**

## Background



This preview shows how black text looks on a background with the Yxy color 46.3718, 0.3008, 0.3385.



This preview shows how white text looks on a background with the Yxy color 46.3718, 0.3008, 0.3385.

# 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

46.3718, 0.3008, 0.3385

### Protanopia

46.0914, 0.3203, 0.3342

### Deuteranopia

46.0019, 0.3282, 0.3215



## Tritanopia

46.2690, 0.2892, 0.3092

# Trichromacy



## Original Color

46.3718, 0.3008, 0.3385

## Protanomaly

46.0952, 0.3133, 0.3356

## Deuteranomaly

45.9746, 0.3180, 0.3277

## Tritanomaly

46.2581, 0.2935, 0.3196

# Monochromacy



## Original Color

46.3718, 0.3008, 0.3385

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

45.7092, 0.3083, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3718, 0.3008, 0.3385 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(165, 186, 179)` looks like.

```
.text, #text, p{  
    color:rgb(165, 186, 179)  
}
```

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(165, 186, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 186, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3718, 0.3008, 0.3385 is called "border". The border property can be set on classes, ids or directly on the HTML element.

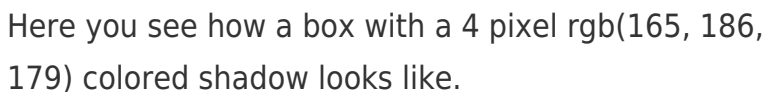
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 186, 179) }
```

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

```
.border{ border-color:rgb(165, 186, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 186, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 186, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 186, 179); box-shadow:4px 4px 4px 4px rgb(165, 186, 179) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3718, 0.3008, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 186, 179) }
```

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

```
.background{ background-color: rgb(165,  
186, 179) }
```

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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