

# Converting Colors

Yxy(50.4108, 0.3000, 0.3586)

Have a look what the booklet for  
Yxy(50.4108, 0.3000, 0.3586)  
contains.

<b>Yxy(50.5012, 0.2998, 0.3587)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(50.5012, 0.2998, 0.3587)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0C5AF
RGB	160, 197, 175
RGB Percent	63%, 77%, 69%
CMY	0.3723, 0.2275, 0.3137
CMYK	0.19, 0.00, 0.11, 0.23
HSL	144°, 24%, 70%
HSV	144°, 19%, 77%
XYZ	42.2087, 50.5012, 48.0796
YIQ	183.4290, -14.9900, -14.6860

# Conversions

## Conversions Part 2

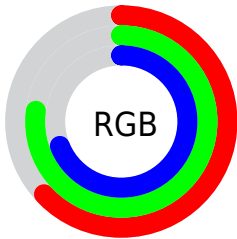
Format	Color
<a href="#">RYB</a>	<a href="#">160, 186, 197</a>
Decimal	<a href="#">10536367</a>
CIELab	<a href="#">76.38, -16.70, 6.97</a>
CIELCh	<a href="#">76, 18.100, 157.352</a>
Yxy	<a href="#">50.5012, 0.2998, 0.3587</a>
Android (android.graphics.Color)	<a href="#">4288726447</a> ( <a href="#">0xFFA0C5AF</a> )
YUV	<a href="#">183.4290, -4.1555, -20.5472</a>
Hunter-Lab	<a href="#">71.0642, -18.3420, 9.6313</a>

# Details

The Yxy color **50.5012, 0.2998, 0.3587** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.4083, 0.3282, 0.3011**, and the grayscale version is **47.6371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1002, 0.3018, 0.3530**, and **24.2631, 0.2956, 0.3663** is the 20% darker color. If you saturate the color by 10%, you get **48.1895, 0.2933, 0.3772**, and if you desaturate by 10%, it is **53.1789, 0.3066, 0.3421**.

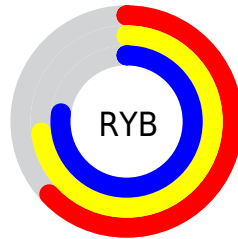
# Distribution



Red (63%)

Green (77%)

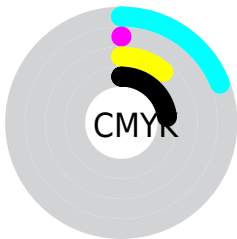
Blue (69%)



Red (63%)

Yellow (73%)

Blue (77%)

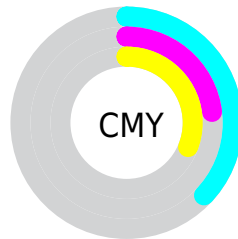


Cyan (19%)

Magenta (0%)

Yellow (11%)

Black (23%)



Cyan (37%)

Magenta (23%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5012, 0.2998, 0.3587 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 50.5012, 0.2998, 0.3587 by changing the saturation by 10% instead.





 50.5012, 0.2998,  
0.3587

 50.5012, 0.2998,  
0.3587


388.6227, 0.3063,  
0.3437

 35.8118, 0.2981,  
0.3625


 90.9170, 0.3022,  
0.3532

 24.2889, 0.2960,  
0.3673


 117.4123, 0.3031,  
0.3512

 15.5481, 0.2932,  
0.3739


148.6115, 0.3038,  
0.3495

 9.2049, 0.2891,  
0.3831

184.8993, 0.3045,  
0.3480

 4.8751, 0.2830,  
0.3970

226.6599, 0.3050,  
0.3467

 2.1742, 0.2726,  
0.4205

274.2777, 0.3055,


 0.7058, 0.2105,


0.3456


0.5646

328.1372, 0.3059,  
0.3446


 0.0000, 0.0000,  
0.0000


 50.5012, 0.2998,  
0.3587


 50.5012, 0.2998,  
0.3587


 48.1895, 0.2933,  
0.3772

 53.1789, 0.3066,  
0.3421


 46.2213, 0.2874,  
0.3974

 56.2314, 0.3136,  
0.3272


 44.5813, 0.2824,  
0.4190


 59.6749, 0.3205,  
0.3141


 43.2507, 0.2787,  
0.4418

 63.5230, 0.3272,  
0.3026


 42.2084, 0.2765,  
0.4650


 67.1091, 0.3310,  
0.2922


 41.4308, 0.2761,  
0.4880

 67.8043, 0.3223,  
0.2811

 40.8902, 0.2776,  
0.5098

 68.4092, 0.3154,  
0.2722

 40.5418, 0.2807,  
0.5297

 40.5041, 0.2811,  
0.5320

# Harmonies

## Analogous

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



50.5012, 0.3245, 0.3713



50.5012, 0.2998, 0.3587



50.5012, 0.2792, 0.3373

# Triad

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



50.5012, 0.2998, 0.3587



50.5012, 0.2789, 0.2884



50.5012, 0.3601, 0.3406

# Complementary

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



50.5012, 0.2998, 0.3587



40.4083, 0.3282, 0.3011

# 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.



50.5012, 0.3470, 0.3198



50.5012, 0.2998, 0.3587



50.5012, 0.2996, 0.2905

# Square

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



50.5012, 0.2998, 0.3587



50.5012, 0.2675, 0.2967



50.5012, 0.3245, 0.3018



50.5012, 0.3599, 0.3594



# Rectangle

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



50.5012, 0.2998, 0.3587



50.5012, 0.2702, 0.3217



50.5012, 0.3245, 0.3018



50.5012, 0.3571, 0.3336

# Sweetspot

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



50.5033, 0.2998, 0.3587



96.6399, 0.3085, 0.3380



52.4406, 0.3282, 0.3770



20.6099, 0.3080, 0.3390



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

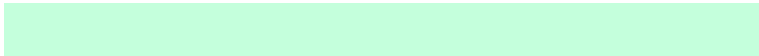


# Same Dimension

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



50.5033, 0.2998, 0.3587



88.4744, 0.2968, 0.3670



51.2718, 0.2873, 0.3338



11.9578, 0.3062, 0.3431



26.6593, 0.2804, 0.5296



1.2766, 0.2686, 0.4870



# Inverse Universe

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



40.4083, 0.3282, 0.3011



66.6826, 0.3328, 0.2939



39.7002, 0.3454, 0.3243



10.7412, 0.3198, 0.3153



8.6738, 0.4544, 0.2277



0.4248, 0.4194, 0.2084



# Previews

## White Background



This preview shows how the Yxy color 50.5012, 0.2998, 0.3587 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

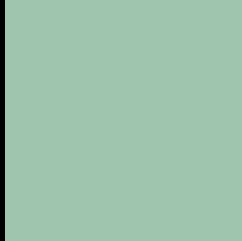
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.5012, 0.2998, 0.3587 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

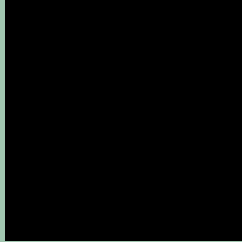
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.5012, 0.2998, 0.3587**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.5012, 0.2998, 0.3587.



This preview shows how white text looks on a background with the Yxy color 50.5012, 0.2998, 0.3587.

# 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

50.5012, 0.2998, 0.3587

### Protanopia

50.1787, 0.3338, 0.3505

### Deuteranopia

50.3719, 0.3404, 0.3339



## Tritanopia

50.3603, 0.2815, 0.3084

# Trichromacy



**Original Color**

50.5012, 0.2998, 0.3587

**Protanomaly**

50.3074, 0.3206, 0.3537

**Deuteranomaly**

49.9214, 0.3247, 0.3417

**Tritanomaly**

50.4616, 0.2882, 0.3263

# Monochromacy



**Original Color**

50.5012, 0.2998, 0.3587

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

48.3757, 0.3081, 0.3395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.5012, 0.2998, 0.3587 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(160, 197, 175)` looks like.

```
.text, #text, p{  
    color:rgb(160, 197, 175)  
}
```

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(160, 197, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 197, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 50.5012, 0.2998, 0.3587 is called "border". The border property can be set on classes, ids or directly on the HTML element.

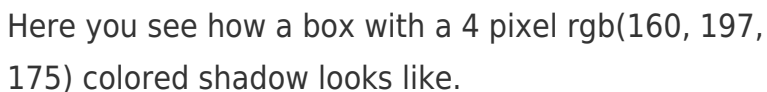
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(160, 197, 175) }
```

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

```
.border{ border-color:rgb(160, 197, 175) }
```

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



Here you see how a box with a 4 pixel `rgb(160, 197, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 197, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 197, 175); box-shadow:4px 4px 4px 4px rgb(160, 197, 175) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.5012, 0.2998, 0.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 197, 175) }
```

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

```
.background{ background-color: rgb(160,  
197, 175) }
```

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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