

# Converting Colors

$Yxy(50.3207, 0.3009, 0.3599)$

Have a look what the booklet for  
Yxy(50.3207, 0.3009, 0.3599)  
contains.

<b>Yxy(50.4621, 0.3005, 0.3601)</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(50.4621, 0.3005, 0.3601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0C5AE
RGB	160, 197, 174
RGB Percent	63%, 77%, 68%
CMY	0.3724, 0.2275, 0.3177
CMYK	0.19, 0.00, 0.12, 0.23
HSL	143°, 24%, 70%
HSV	143°, 19%, 77%
XYZ	42.1101, 50.4621, 47.5613
YIQ	183.3150, -14.6690, -14.9970

# Conversions

## Conversions Part 2

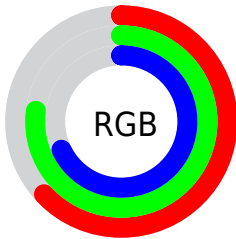
Format	Color
<b>RYB</b>	160, 187, 197
Decimal	10536366
CIELab	76.35, -16.90, 7.48
CIELCh	76, 18.479, 156.130
Yxy	50.4621, 0.3005, 0.3601
Android (android.graphics.Color)	4288726446 (0xFFA0C5AE)
YUV	183.3150, -4.5923, -20.4473
Hunter-Lab	71.0367, -18.5004, 10.0291

# Details

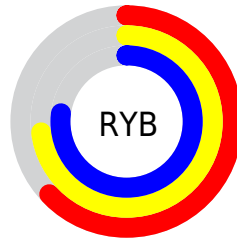
The Yxy color **50.4621, 0.3005, 0.3601** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.4495, 0.3273, 0.2998**, and the grayscale version is **47.5731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9878, 0.3029, 0.3551**, and **24.2382, 0.2966, 0.3683** is the 20% darker color. If you saturate the color by 10%, you get **48.1347, 0.2943, 0.3795**, and if you desaturate by 10%, it is **53.1591, 0.3070, 0.3427**.

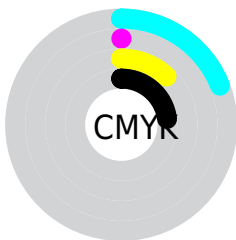
# Distribution



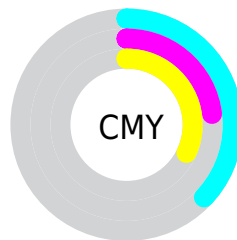
- Red (63%)
- Green (77%)
- Blue (68%)



- Red (63%)
- Yellow (73%)
- Blue (77%)



- Cyan (19%)
- Magenta (0%)
- Yellow (12%)
- Black (23%)



- Cyan (37%)
- Magenta (23%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4621, 0.3005, 0.3601 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 50.4621, 0.3005, 0.3601 by changing the saturation by 10% instead.





 50.4621, 0.3005,  
0.3601

 50.4621, 0.3005,  
0.3601


388.4703, 0.3067,  
0.3444

 35.7807, 0.2989,  
0.3641


 90.8592, 0.3028,  
0.3544

 24.2649, 0.2969,  
0.3692


 117.3436, 0.3036,  
0.3522

 15.5302, 0.2941,  
0.3760


148.5312, 0.3043,  
0.3504

 9.1923, 0.2903,  
0.3857

184.8064, 0.3049,  
0.3489

 4.8669, 0.2844,  
0.4004

226.5535, 0.3055,  
0.3475

 2.1694, 0.2743,  
0.4251

274.1569, 0.3059,

 0.7032, 0.2129,

0.3464

0.5851

328.0010, 0.3063,  
0.3453

0.0000, 0.0000,  
0.0000

50.4621, 0.3005,  
0.3601

50.4621, 0.3005,  
0.3601

48.1347, 0.2943,  
0.3795

53.1591, 0.3070,  
0.3427

46.1543, 0.2887,  
0.4006

56.2347, 0.3135,  
0.3272

44.5056, 0.2840,  
0.4234

59.7052, 0.3200,  
0.3135

43.1693, 0.2805,  
0.4472

63.5844, 0.3264,  
0.3015

42.1243, 0.2785,  
0.4714

67.2061, 0.3297,  
0.2906

■ 41.3469, 0.2783,  
0.4952

■ 67.9409, 0.3207,  
0.2790

■ 40.8090, 0.2798,  
0.5175

■ 68.4097, 0.3154,  
0.2722

■ 40.4657, 0.2829,  
0.5376

■ 40.4289, 0.2833,  
0.5400

# Harmonies

## Analogous

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



50.4621, 0.3257, 0.3724



50.4621, 0.3005, 0.3601



50.4621, 0.2792, 0.3384

# Triad

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



50.4621, 0.3005, 0.3601



50.4621, 0.2776, 0.2877



50.4621, 0.3608, 0.3399

# Complementary

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



50.4621, 0.3005, 0.3601



40.4495, 0.3273, 0.2998

# 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.



50.4621, 0.3469, 0.3188



50.4621, 0.3005, 0.3601



50.4621, 0.2983, 0.2894

# Square

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



50.4621, 0.3005, 0.3601



50.4621, 0.2663, 0.2966



50.4621, 0.3237, 0.3006



50.4621, 0.3612, 0.3594



# Rectangle

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



50.4621, 0.3005, 0.3601



50.4621, 0.2698, 0.3225



50.4621, 0.3237, 0.3006



50.4621, 0.3576, 0.3328

# Sweetspot

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



50.4642, 0.3005, 0.3601



96.6144, 0.3087, 0.3384



52.5918, 0.3293, 0.3769



20.6039, 0.3083, 0.3394



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

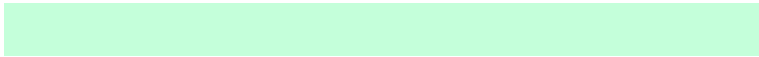


# Same Dimension

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



50.4642, 0.3005, 0.3601



88.3902, 0.2976, 0.3688



51.2172, 0.2881, 0.3354



11.9530, 0.3066, 0.3437



26.6089, 0.2827, 0.5376



1.2740, 0.2706, 0.4942



# Inverse Universe

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



40.4495, 0.3273, 0.2998



66.7733, 0.3316, 0.2923



39.7443, 0.3442, 0.3227



10.7461, 0.3194, 0.3147



8.7591, 0.4434, 0.2217



0.4285, 0.4114, 0.2040



# Previews

## White Background



This preview shows how the Yxy color 50.4621, 0.3005, 0.3601 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

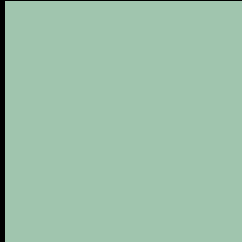
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.4621, 0.3005, 0.3601 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

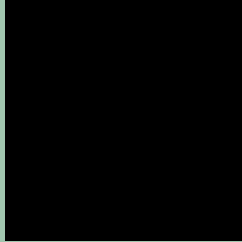
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.4621, 0.3005, 0.3601**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.4621, 0.3005, 0.3601.



This preview shows how white text looks on a background with the Yxy color 50.4621, 0.3005, 0.3601.

# 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

50.4621, 0.3005, 0.3601

### Protanopia

50.1410, 0.3346, 0.3518

### Deuteranopia

49.9237, 0.3414, 0.3339



## Tritanopia

50.3113, 0.2821, 0.3097

# Trichromacy



**Original Color**

50.4621, 0.3005, 0.3601

**Protanomaly**

50.2692, 0.3214, 0.3550

**Deuteranomaly**

49.8817, 0.3255, 0.3430

**Tritanomaly**

50.4162, 0.2889, 0.3276

# Monochromacy



**Original Color**

50.4621, 0.3005, 0.3601

**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 50.4621, 0.3005, 0.3601 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(160, 197, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 197, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 50.4621, 0.3005, 0.3601 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, 174) }
```

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

```
.border{ border-color:rgb(160, 197, 174) }
```

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, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 197, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 197, 174);  
box-shadow:4px 4px 4px 4px rgb(160, 197,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.4621, 0.3005, 0.3601 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, 174) }
```

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

```
.background{ background-color: rgb(160,  
197, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor