

# Converting Colors

$Yxy(61.7096, 0.3013, 0.3587)$

Have a look what the booklet for  
Yxy(61.7096, 0.3013, 0.3587)  
contains.

<b>Yxy(61.7096, 0.3013, 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(61.7096, 0.3013, 0.3587)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1D7BF
RGB	177, 215, 191
RGB Percent	69%, 84%, 75%
CMY	0.3060, 0.1568, 0.2508
CMYK	0.18, 0.00, 0.11, 0.16
HSL	142°, 32%, 77%
HSV	142°, 18%, 84%
XYZ	51.8347, 61.7096, 58.4925
YIQ	200.9020, -14.9440, -15.5200

# Conversions

## Conversions Part 2

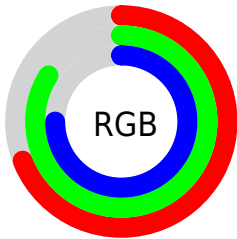
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 205, 215
Decimal	11655103
CIELab	82.76, -17.18, 7.69
CIELCh	83, 18.822, 155.885
Yxy	61.7096, 0.3013, 0.3587
Android (android.graphics.Color)	4289845183 (0xFFB1D7BF)
YUV	200.9020, -4.8817, -20.9621
Hunter-Lab	78.5555, -19.6891, 10.8414

# Details

The Yxy color **61.7096, 0.3013, 0.3587** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.0963, 0.3262, 0.3011**, and the grayscale version is **58.3825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5590, 0.3038, 0.3369**, and **31.2617, 0.2980, 0.3658** is the 20% darker color. If you saturate the color by 10%, you get **58.8143, 0.2952, 0.3782**, and if you desaturate by 10%, it is **65.0631, 0.3077, 0.3412**.

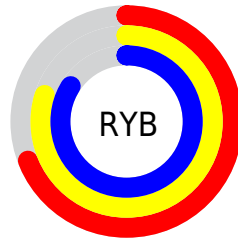
# Distribution



Red (69%)

Green (84%)

Blue (75%)



Red (69%)

Yellow (80%)

Blue (84%)

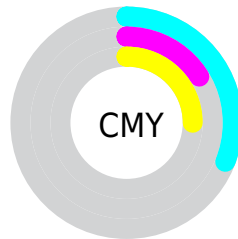


Cyan (18%)

Magenta (0%)

Yellow (11%)

Black (16%)



Cyan (31%)

Magenta (16%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7096, 0.3013, 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 61.7096, 0.3013, 0.3587 by changing the saturation by 10% instead.



 61.7096, 0.3013,  
0.3587

 61.7096, 0.3013,  
0.3587

430.8710, 0.3069,  
0.3442

 44.7981, 0.2999,  
0.3622


 107.3057, 0.3033,  
0.3535

 31.2984, 0.2982,  
0.3666

136.7591, 0.3041,  
0.3516

 20.8262, 0.2959,  
0.3724


171.1619, 0.3047,  
0.3499

 12.9970, 0.2928,  
0.3804

210.8985, 0.3053,  
0.3484

 7.4265, 0.2883,  
0.3918

256.3534, 0.3058,  
0.3472

 3.7302, 0.2812,  
0.4097

307.9108, 0.3062,

 1.5238, 0.2683,

0.3461

0.4416

365.9552, 0.3066,  
0.3451

0.3054, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.7096, 0.3013,  
0.3587

61.7096, 0.3013,  
0.3587

58.8143, 0.2952,  
0.3782

65.0631, 0.3077,  
0.3412

56.3492, 0.2896,  
0.3997

68.8857, 0.3142,  
0.3256

54.2954, 0.2848,  
0.4227

73.1977, 0.3206,  
0.3118

52.6292, 0.2812,  
0.4469

76.4716, 0.3211,  
0.2993

■ 51.3249, 0.2791,  
0.4715

■ 77.0848, 0.3145,  
0.2901

■ 50.3528, 0.2788,  
0.4957

■ 49.6789, 0.2803,  
0.5184

■ 49.2561, 0.2834,  
0.5388

■ 49.1770, 0.2842,  
0.5431

# Harmonies

## Analogous

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



61.7096, 0.3253, 0.3703



61.7096, 0.3013, 0.3587



61.7096, 0.2809, 0.3382

# Triad

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



61.7096, 0.3013, 0.3587



61.7096, 0.2791, 0.2897



61.7096, 0.3584, 0.3393

# Complementary

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



61.7096, 0.3013, 0.3587



50.0963, 0.3262, 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.



61.7096, 0.3451, 0.3191



61.7096, 0.3013, 0.3587



61.7096, 0.2988, 0.2911

# Square

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



61.7096, 0.3013, 0.3587



61.7096, 0.2684, 0.2983



61.7096, 0.3230, 0.3018



61.7096, 0.3589, 0.3579



# Rectangle

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



61.7096, 0.3013, 0.3587



61.7096, 0.2718, 0.3230



61.7096, 0.3230, 0.3018



61.7096, 0.3553, 0.3325

# Sweetspot

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



61.7122, 0.3013, 0.3587



97.1548, 0.3094, 0.3369



64.2041, 0.3284, 0.3743



20.7126, 0.3090, 0.3380



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

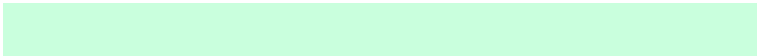


# Same Dimension

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



61.7122, 0.3013, 0.3587



89.2342, 0.2991, 0.3653



62.5987, 0.2893, 0.3351



13.9712, 0.3066, 0.3440



29.4302, 0.2834, 0.5403



1.7908, 0.2736, 0.5048



# Inverse Universe

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



50.0963, 0.3262, 0.3011



69.2527, 0.3294, 0.2953



49.2613, 0.3423, 0.3230



12.5511, 0.3194, 0.3144



9.7165, 0.4410, 0.2203

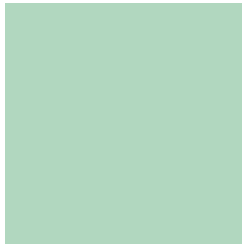


0.6018, 0.4149, 0.2059



# Previews

## White Background



This preview shows how the Yxy color 61.7096, 0.3013, 0.3587 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

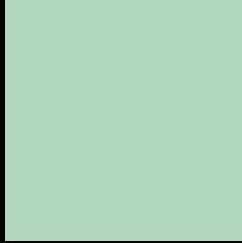
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.7096, 0.3013, 0.3587 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

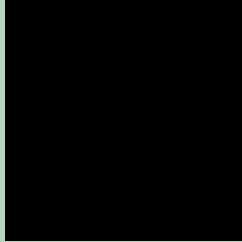
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

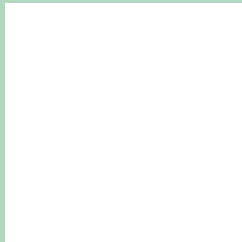
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.7096, 0.3013, 0.3587**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.7096, 0.3013, 0.3587.



This preview shows how white text looks on a background with the Yxy color 61.7096, 0.3013, 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

61.7096, 0.3013, 0.3587

### Protanopia

61.5040, 0.3335, 0.3511

### Deuteranopia

61.5649, 0.3413, 0.3346



## Tritanopia

61.7065, 0.2825, 0.3089

# Trichromacy



**Original Color**

61.7096, 0.3013, 0.3587

**Protanomaly**

61.6493, 0.3214, 0.3540

**Deuteranomaly**

61.3618, 0.3260, 0.3430

**Tritanomaly**

61.7658, 0.2894, 0.3265

# Monochromacy



**Original Color**

61.7096, 0.3013, 0.3587

**Achromatopsia**

58.4078, 0.3127, 0.3290

**Achromatomaly**

59.3803, 0.3084, 0.3399

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.7096, 0.3013, 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(177, 215, 191)` looks like.

```
.text, #text, p{  
    color:rgb(177, 215, 191)  
}
```

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(177, 215, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 215, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 61.7096, 0.3013, 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(177, 215, 191) }
```

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

```
.border{ border-color:rgb(177, 215, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 215, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 215, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 215, 191);  
box-shadow:4px 4px 4px 4px rgb(177, 215,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.7096, 0.3013, 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(177, 215, 191) }
```

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

```
.background{ background-color: rgb(177,  
215, 191) }
```

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