

# Converting Colors

$Yxy(61.5695, 0.2912, 0.3653)$

Have a look what the booklet for  
Yxy(61.5695, 0.2912, 0.3653)  
contains.

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# Color

**Yxy(61.4376, 0.2912, 0.3646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1DABE
RGB	161, 218, 190
RGB Percent	63%, 85%, 75%
CMY	0.3685, 0.1451, 0.2548
CMYK	0.26, 0.00, 0.13, 0.15
HSL	151°, 43%, 74%
HSV	151°, 26%, 85%
XYZ	49.0692, 61.4376, 58.0001
YIQ	197.7650, -24.9840, -20.7920

# Conversions

## Conversions Part 2

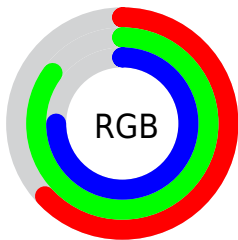
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 199, 218
Decimal	10607294
CIELab	82.61, -23.95, 7.90
CIELCh	83, 25.219, 161.752
Yxy	61.4376, 0.2912, 0.3646
Android (android.graphics.Color)	4288797374 (0xFFFA1DABE)
YUV	197.7650, -3.8281, -32.2429
Hunter-Lab	78.3821, -25.4232, 10.9950

# Details

The Yxy color **61.4376, 0.2912, 0.3646** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.0782, 0.3415, 0.2960**, and the grayscale version is **56.3620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9255, 0.2948, 0.3382**, and **31.1887, 0.2853, 0.3739** is the 20% darker color. If you saturate the color by 10%, you get **58.9177, 0.2839, 0.3808**, and if you desaturate by 10%, it is **64.3918, 0.2992, 0.3498**.

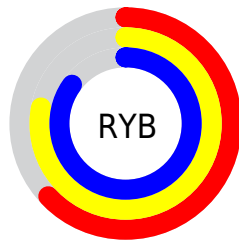
# Distribution



Red (63%)

Green (85%)

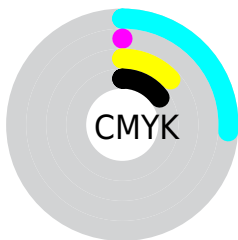
Blue (75%)



Red (63%)

Yellow (78%)

Blue (85%)

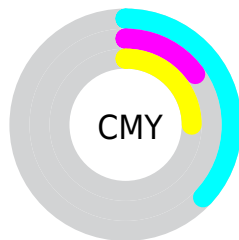


Cyan (26%)

Magenta (0%)

Yellow (13%)

Black (15%)



Cyan (37%)

Magenta (15%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.4376, 0.2912, 0.3646 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 61.4376, 0.2912, 0.3646 by changing the saturation by 10% instead.





 61.4376, 0.2912,  
0.3646

 61.4376, 0.2912,  
0.3646

429.8767, 0.3017,  
0.3472

 44.5784, 0.2887,  
0.3688

 106.9123, 0.2949,  
0.3584

 31.1255, 0.2855,  
0.3742


 136.2966, 0.2964,  
0.3560

 20.6944, 0.2813,  
0.3813


170.6247, 0.2976,  
0.3540

 12.9008, 0.2756,  
0.3909

210.2811, 0.2986,  
0.3522

 7.3603, 0.2674,  
0.4049

255.6501, 0.2995,  
0.3507

 3.6884, 0.2547,  
0.4270

307.1161, 0.3003,

 1.5008, 0.2312,

0.3494

0.4673

365.0635, 0.3010,  
0.3482

0.2893, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.4376, 0.2912,  
0.3646

61.4376, 0.2912,  
0.3646

58.9177, 0.2839,  
0.3808

64.3918, 0.2992,  
0.3498

56.8033, 0.2776,  
0.3983

67.7924, 0.3075,  
0.3365

55.0738, 0.2726,  
0.4168

71.6605, 0.3160,  
0.3246

53.7037, 0.2692,  
0.4360

76.0134, 0.3245,  
0.3140

■ 52.6643, 0.2678,  
0.4554

■ 77.9056, 0.3221,  
0.3039

■ 51.9222, 0.2683,  
0.4745

■ 78.5733, 0.3149,  
0.2937

■ 51.4360, 0.2709,  
0.4927

■ 78.6216, 0.3144,  
0.2930

■ 51.2883, 0.2721,  
0.4995

# Harmonies

## Analogous

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



61.4376, 0.3229, 0.3834



61.4376, 0.2912, 0.3646



61.4376, 0.2661, 0.3350

# Triad

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



61.4376, 0.2912, 0.3646



61.4376, 0.2721, 0.2762



61.4376, 0.3759, 0.3473

# Complementary

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



61.4376, 0.2912, 0.3646



44.0782, 0.3415, 0.2960

# 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.



61.4376, 0.3610, 0.3206



61.4376, 0.2912, 0.3646



61.4376, 0.2999, 0.2809

# Square

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



61.4376, 0.2912, 0.3646



61.4376, 0.2556, 0.2845



61.4376, 0.3326, 0.2969



61.4376, 0.3727, 0.3711



# Rectangle

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



61.4376, 0.2912, 0.3646



61.4376, 0.2561, 0.3147



61.4376, 0.3326, 0.2969



61.4376, 0.3728, 0.3384

# Sweetspot

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



61.4401, 0.2912, 0.3646



95.7057, 0.3059, 0.3389



63.6002, 0.3300, 0.3989



20.3225, 0.3046, 0.3409



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

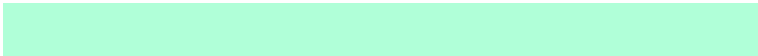


# Same Dimension

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



61.4401, 0.2912, 0.3646



85.7117, 0.2873, 0.3728



62.7833, 0.2746, 0.3289



14.7163, 0.3047, 0.3407



30.7496, 0.2714, 0.4969



2.0095, 0.2632, 0.4674



# Inverse Universe

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



44.0782, 0.3415, 0.2960



57.1853, 0.3490, 0.2892



42.9782, 0.3684, 0.3292



13.1576, 0.3215, 0.3176



9.5881, 0.4987, 0.2521

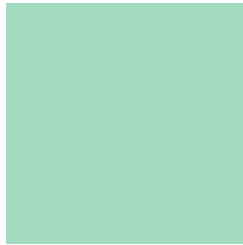


0.6385, 0.4620, 0.2319



# Previews

## White Background



This preview shows how the Yxy color 61.4376, 0.2912, 0.3646 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 61.4376, 0.2912, 0.3646 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 61.4376, 0.2912, 0.3646**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.4376, 0.2912, 0.3646.

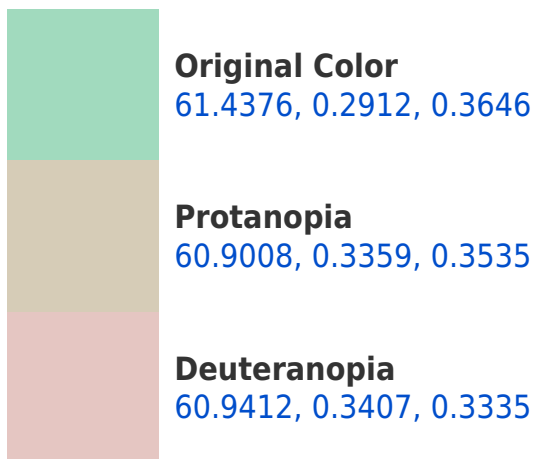


This preview shows how white text looks on a background with the Yxy color 61.4376, 0.2912, 0.3646.

# 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





## Tritanopia

61.1791, 0.2725, 0.3085

# Trichromacy



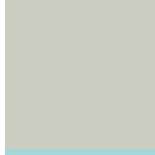
## Original Color

61.4376, 0.2912, 0.3646



## Protanomaly

60.7482, 0.3182, 0.3568



## Deuteranomaly

60.3503, 0.3205, 0.3432



## Tritanomaly

61.1064, 0.2790, 0.3277

# Monochromacy



## Original Color

61.4376, 0.2912, 0.3646



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

57.9171, 0.3046, 0.3413

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.4376, 0.2912, 0.3646 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(161, 218, 190)` looks like.

```
.text, #text, p{  
    color:rgb(161, 218, 190)  
}
```

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(161, 218, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 218, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 61.4376, 0.2912, 0.3646 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(161, 218, 190) }
```

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

```
.border{ border-color:rgb(161, 218, 190) }
```

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

Here you see how a box with a 4 pixel rgb(161, 218, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 218, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 218, 190);  
box-shadow:4px 4px 4px 4px rgb(161, 218,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.4376, 0.2912, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 218, 190) }
```

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

```
.background{ background-color: rgb(161,  
218, 190) }
```

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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