

# Converting Colors

$Yxy(59.4776, 0.2939, 0.3671)$

Have a look what the booklet for  
Yxy(59.4776, 0.2939, 0.3671)  
contains.

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# Color

**Yxy(59.6807, 0.2942, 0.3676)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1D7B9
RGB	161, 215, 185
RGB Percent	63%, 84%, 73%
CMY	0.3684, 0.1569, 0.2745
CMYK	0.25, 0.00, 0.14, 0.16
HSL	147°, 40%, 74%
HSV	147°, 25%, 84%
XYZ	47.7640, 59.6807, 54.9075
YIQ	195.4340, -22.5540, -20.7780

# Conversions

## Conversions Part 2

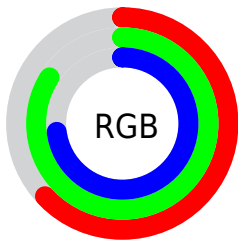
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 198, 215
Decimal	10606521
CIELab	81.66, -23.45, 9.19
CIELCh	82, 25.187, 158.588
Yxy	59.6807, 0.2942, 0.3676
Android (android.graphics.Color)	4288796601 (0xFFA1D7B9)
YUV	195.4340, -5.1440, -30.1986
Hunter-Lab	77.2533, -24.8305, 11.9371

# Details

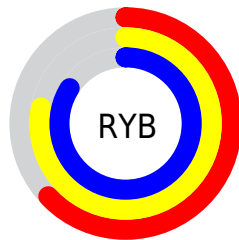
The Yxy color **59.6807, 0.2942, 0.3676** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.7174, 0.3368, 0.2934**, and the grayscale version is **54.8946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6226, 0.2975, 0.3434**, and **29.9957, 0.2889, 0.3781** is the 20% darker color. If you saturate the color by 10%, you get **57.1536, 0.2876, 0.3859**, and if you desaturate by 10%, it is **62.6392, 0.3014, 0.3509**.

# Distribution



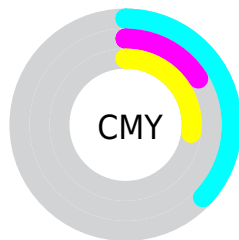
- Red (63%)
- Green (84%)
- Blue (73%)



- Red (63%)
- Yellow (78%)
- Blue (84%)



- Cyan (25%)
- Magenta (0%)
- Yellow (14%)
- Black (16%)




- Cyan (37%)
- Magenta (16%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.6807, 0.2942, 0.3676 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 59.6807, 0.2942, 0.3676 by changing the saturation by 10% instead.





 59.6807, 0.2942,  
0.3676


 59.6807, 0.2942,  
0.3676

423.4198, 0.3033,  
0.3486

 43.1613, 0.2920,  
0.3723


 104.3663, 0.2975,  
0.3607

 30.0117, 0.2891,  
0.3782

 133.3014, 0.2987,  
0.3582

 19.8475, 0.2854,  
0.3861


167.1438, 0.2998,  
0.3560

 12.2842, 0.2802,  
0.3968

206.2779, 0.3007,  
0.3541

 6.9376, 0.2727,  
0.4126

251.0882, 0.3015,  
0.3524

 3.4231, 0.2606,  
0.4378

301.9590, 0.3022,

 1.3564, 0.2361,

0.3510

0.4889

359.2748, 0.3028,  
0.3497

0.1843, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.6807, 0.2942,  
0.3676

59.6807, 0.2942,  
0.3676

57.1536, 0.2876,  
0.3859

62.6392, 0.3014,  
0.3509

55.0299, 0.2818,  
0.4057

66.0410, 0.3089,  
0.3360

53.2895, 0.2772,  
0.4267


69.9066, 0.3164,  
0.3227

51.9077, 0.2742,  
0.4485


74.2529, 0.3239,  
0.3109


 50.8568, 0.2730,  
0.4704

 76.4351, 0.3214,  
0.2997

 50.1047, 0.2737,  
0.4916

 77.0772, 0.3145,  
0.2900

 49.6122, 0.2763,  
0.5116

 49.4326, 0.2780,  
0.5208

# Harmonies

## Analogous

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



59.6807, 0.3264, 0.3849



59.6807, 0.2942, 0.3676



59.6807, 0.2679, 0.3384

# Triad

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



59.6807, 0.2942, 0.3676



59.6807, 0.2694, 0.2760



59.6807, 0.3757, 0.3446

# Complementary

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



59.6807, 0.2942, 0.3676



43.7174, 0.3368, 0.2934

# 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.



59.6807, 0.3589, 0.3178



59.6807, 0.2942, 0.3676



59.6807, 0.2965, 0.2795

# Square

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



59.6807, 0.2942, 0.3676



59.6807, 0.2542, 0.2858



59.6807, 0.3294, 0.2945



59.6807, 0.3744, 0.3692



# Rectangle

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



59.6807, 0.2942, 0.3676



59.6807, 0.2568, 0.3176



59.6807, 0.3294, 0.2945



59.6807, 0.3719, 0.3356

# Sweetspot

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



59.6832, 0.2942, 0.3676



95.6253, 0.3066, 0.3403



62.3291, 0.3321, 0.3952



20.3023, 0.3055, 0.3425



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

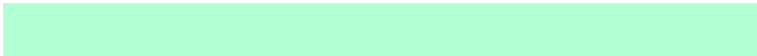


# Same Dimension

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



59.6832, 0.2942, 0.3676



85.8220, 0.2907, 0.3769



60.9029, 0.2782, 0.3334



13.9867, 0.3056, 0.3422



29.5895, 0.2772, 0.5180



1.8012, 0.2678, 0.4841



# Inverse Universe

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



43.7174, 0.3368, 0.2934



58.5216, 0.3433, 0.2857



42.6582, 0.3619, 0.3248



12.5352, 0.3205, 0.3161



9.4665, 0.4713, 0.2370

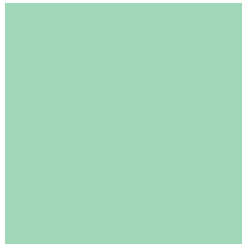


0.5875, 0.4383, 0.2188



# Previews

## White Background



This preview shows how the Yxy color 59.6807, 0.2942, 0.3676 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

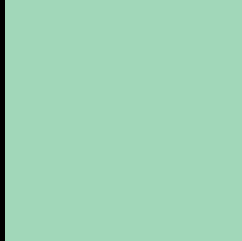
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.6807, 0.2942, 0.3676 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

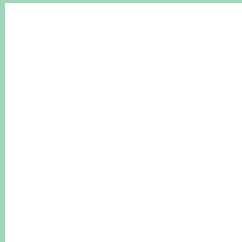
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.6807, 0.2942, 0.3676**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.6807, 0.2942, 0.3676.

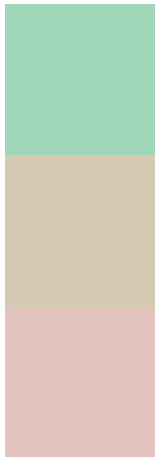


This preview shows how white text looks on a background with the Yxy color 59.6807, 0.2942, 0.3676.

# 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

59.6807, 0.2942, 0.3676

### Protanopia

59.4525, 0.3384, 0.3573

### Deuteranopia

59.0352, 0.3435, 0.3359



## Tritanopia

59.5269, 0.2739, 0.3083

# Trichromacy



**Original Color**

59.6807, 0.2942, 0.3676

**Protanomaly**

59.2993, 0.3204, 0.3609

**Deuteranomaly**

58.5684, 0.3237, 0.3458

**Tritanomaly**

59.3987, 0.2812, 0.3289

# Monochromacy



**Original Color**

59.6807, 0.2942, 0.3676

**Achromatopsia**

54.5724, 0.3127, 0.3290

**Achromatomaly**

56.0699, 0.3060, 0.3427

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.6807, 0.2942, 0.3676 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, 215, 185)` looks like.

```
.text, #text, p{  
    color:rgb(161, 215, 185)  
}
```

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, 215, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 215, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 59.6807, 0.2942, 0.3676 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, 215, 185) }
```

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

```
.border{ border-color:rgb(161, 215, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 215, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 215, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 215, 185); box-shadow:4px 4px 4px 4px rgb(161, 215, 185) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.6807, 0.2942, 0.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 215, 185) }
```

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

```
.background{ background-color: rgb(161,  
215, 185) }
```

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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