

# Converting Colors

$Yxy(47.3633, 0.2897, 0.3564)$

Have a look what the booklet for  
Yxy(47.3633, 0.2897, 0.3564)  
contains.

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# Color

**Yxy(47.2157, 0.2892, 0.3557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91C1AE
RGB	145, 193, 174
RGB Percent	57%, 76%, 68%
CMY	0.4313, 0.2431, 0.3176
CMYK	0.25, 0.00, 0.10, 0.24
HSL	156°, 28%, 66%
HSV	156°, 25%, 76%
XYZ	38.3885, 47.2157, 47.1361
YIQ	176.4820, -22.5090, -16.0850

# Conversions

## Conversions Part 2

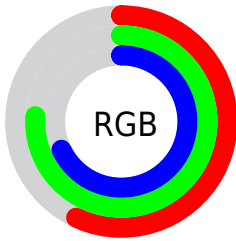
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 175, 193
Decimal	9552302
CIELab	74.33, -19.75, 4.44
CIELCh	74, 20.243, 167.327
Yxy	47.2157, 0.2892, 0.3557
Android (android.graphics.Color)	4287742382 (0xFF91C1AE)
YUV	176.4820, -1.2236, -27.6097
Hunter-Lab	68.7137, -20.5258, 7.4280

# Details

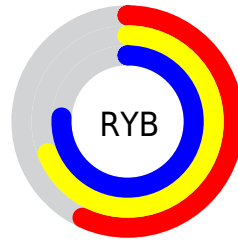
The Yxy color **47.2157, 0.2892, 0.3557** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.2726, 0.3442, 0.3039**, and the grayscale version is **43.6982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3077, 0.2940, 0.3516**, and **22.1975, 0.2818, 0.3624** is the 20% darker color. If you saturate the color by 10%, you get **45.3210, 0.2808, 0.3683**, and if you desaturate by 10%, it is **49.4291, 0.2984, 0.3442**.

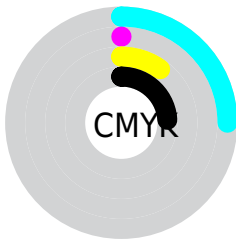
# Distribution



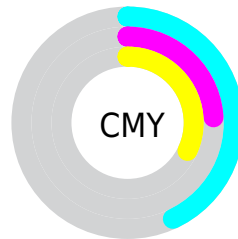
- Red (57%)
- Green (76%)
- Blue (68%)



- Red (57%)
- Yellow (69%)
- Blue (76%)



- Cyan (25%)
- Magenta (0%)
- Yellow (10%)
- Black (24%)




- Cyan (43%)
- Magenta (24%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2157, 0.2892, 0.3557 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 47.2157, 0.2892, 0.3557 by changing the saturation by 10% instead.





 47.2157, 0.2892,  
0.3557


 47.2157, 0.2892,  
0.3557


375.6749, 0.3010,  
0.3422

 33.2062, 0.2862,  
0.3592


 86.0355, 0.2935,  
0.3507

 22.2845, 0.2824,  
0.3636


 111.6146, 0.2951,  
0.3489

 14.0661, 0.2772,  
0.3697


141.8190, 0.2965,  
0.3473

 8.1666, 0.2700,  
0.3782

177.0332, 0.2977,  
0.3460

 4.2018, 0.2591,  
0.3914

217.6414, 0.2987,  
0.3448

 1.7871, 0.2407,  
0.4139

264.0282, 0.2996,

 0.4791, 0.0000,

0.3438

0.6941

316.5779, 0.3003,  
0.3429

0.0000, 0.0000,  
0.0000

47.2157, 0.2892,  
0.3557

47.2157, 0.2892,  
0.3557

45.3210, 0.2808,  
0.3683

49.4291, 0.2984,  
0.3442

43.7238, 0.2734,  
0.3819

51.9697, 0.3080,  
0.3337

42.4094, 0.2673,  
0.3963

54.8526, 0.3178,  
0.3243

41.3595, 0.2629,  
0.4114

58.0906, 0.3276,  
0.3160

40.5536, 0.2603,  
0.4267

61.6956, 0.3373,  
0.3086

■ 39.9678, 0.2598,  
0.4421

■ 64.5598, 0.3421,  
0.3017

■ 39.5735, 0.2612,  
0.4571

■ 64.9736, 0.3361,  
0.2942

■ 39.4157, 0.2624,  
0.4647

■ 65.4062, 0.3303,  
0.2868

■ 65.8577, 0.3245,  
0.2795

# Harmonies

## Analogous

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



47.2157, 0.3166, 0.3744



47.2157, 0.2892, 0.3557



47.2157, 0.2687, 0.3294

# Triad

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



47.2157, 0.2892, 0.3557



47.2157, 0.2810, 0.2823



47.2157, 0.3687, 0.3496

# Complementary

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



47.2157, 0.2892, 0.3557



34.2726, 0.3442, 0.3039

# 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.



47.2157, 0.3585, 0.3261



47.2157, 0.2892, 0.3557



47.2157, 0.3069, 0.2885

# Square

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



47.2157, 0.2892, 0.3557



47.2157, 0.2642, 0.2877



47.2157, 0.3354, 0.3042



47.2157, 0.3631, 0.3692



# Rectangle

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



47.2157, 0.2892, 0.3557



47.2157, 0.2613, 0.3121



47.2157, 0.3354, 0.3042



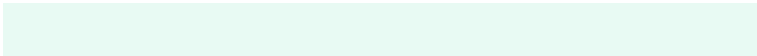
47.2157, 0.3670, 0.3419

# Sweetspot

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



47.2177, 0.2892, 0.3557



92.0026, 0.3058, 0.3359



48.1000, 0.3250, 0.3955



19.6766, 0.3052, 0.3366



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

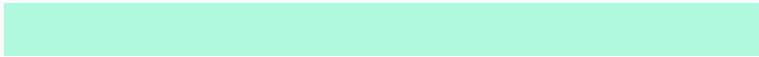


# Same Dimension

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



47.2177, 0.2892, 0.3557



82.5940, 0.2844, 0.3626



45.9242, 0.2760, 0.3223



11.3587, 0.3036, 0.3383



26.2317, 0.2619, 0.4628



1.1467, 0.2526, 0.4295



# Inverse Universe

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



34.2726, 0.3442, 0.3039



55.3271, 0.3536, 0.2979



35.1346, 0.3628, 0.3356



10.1425, 0.3228, 0.3199



7.9063, 0.5369, 0.2731



0.3552, 0.4776, 0.2405



# Previews

## White Background



This preview shows how the Yxy color 47.2157, 0.2892, 0.3557 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

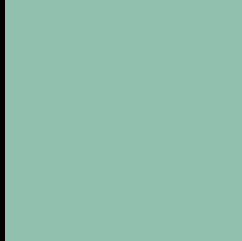
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2157, 0.2892, 0.3557 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

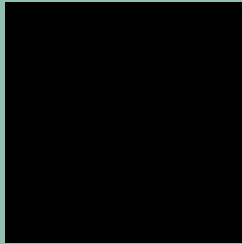
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.2157, 0.2892, 0.3557**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.2157, 0.2892, 0.3557.

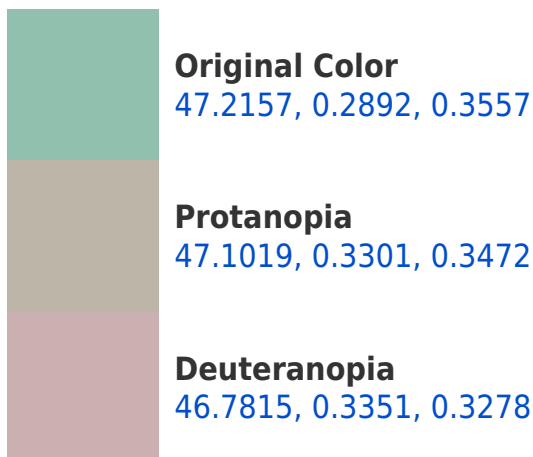


This preview shows how white text looks on a background with the Yxy color 47.2157, 0.2892, 0.3557.

# 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

47.3341, 0.2731, 0.3089

# Trichromacy



## Original Color

47.2157, 0.2892, 0.3557

## Protanomaly

46.9043, 0.3142, 0.3505

## Deuteranomaly

46.4142, 0.3166, 0.3369

## Tritanomaly

47.0667, 0.2790, 0.3248

# Monochromacy



## Original Color

47.2157, 0.2892, 0.3557

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

44.5504, 0.3039, 0.3386

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2157, 0.2892, 0.3557 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(145, 193, 174)` looks like.

```
.text, #text, p{  
    color:rgb(145, 193, 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(145, 193, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 193, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2157, 0.2892, 0.3557 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(145, 193, 174) }
```

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

```
.border{ border-color:rgb(145, 193, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 193, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 193, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 193, 174);  
box-shadow:4px 4px 4px 4px rgb(145, 193,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2157, 0.2892, 0.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 193, 174) }
```

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

```
.background{ background-color: rgb(145,  
193, 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](#).

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