

# Converting Colors

$Y_{xy}(42.0437, 0.2954, 0.3453)$

Have a look what the booklet for  
Yxy(42.0437, 0.2954, 0.3453)  
contains.

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# Color

**Yxy(41.8967, 0.2953, 0.3448)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	95B4A9
RGB	149, 180, 169
RGB Percent	58%, 71%, 66%
CMY	0.4155, 0.2941, 0.3373
CMYK	0.17, 0.00, 0.06, 0.29
HSL	159°, 17%, 65%
HSV	159°, 17%, 71%
XYZ	35.8819, 41.8967, 43.7315
YIQ	169.4770, -14.9450, -9.9930

# Conversions

## Conversions Part 2

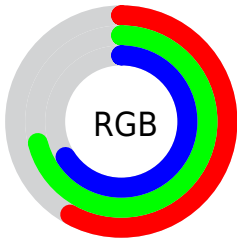
Format	Color
R <sub>Y</sub> B	149, 168, 180
Decimal	9811113
CIE Lab	70.80, -12.77, 2.09
CIE LCh	71, 12.939, 170.693
Yxy	41.8967, 0.2953, 0.3448
Android (android.graphics.Color)	4288001193 (0xFF95B4A9)
YUV	169.4770, -0.2352, -17.9583
Hunter-Lab	64.7277, -14.3215, 5.2517

# Details

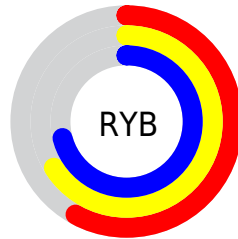
The Yxy color **41.8967, 0.2953, 0.3448** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.7487, 0.3340, 0.3138**, and the grayscale version is **39.9355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0692, 0.2984, 0.3422**, and **19.0598, 0.2902, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **40.0994, 0.2858, 0.3553**, and if you desaturate by 10%, it is **43.9709, 0.3053, 0.3353**.

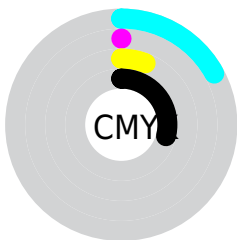
# Distribution



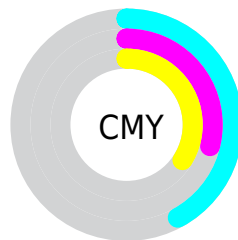
- Red (58%)
- Green (71%)
- Blue (66%)



- Red (58%)
- Yellow (66%)
- Blue (71%)



- Cyan (17%)
- Magenta (0%)
- Yellow (6%)
- Black (29%)




- Cyan (42%)
- Magenta (29%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8967, 0.2953, 0.3448 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 41.8967, 0.2953, 0.3448 by changing the saturation by 10% instead.




 41.8967, 0.2953,  
0.3448

 41.8967, 0.2953,  
0.3448


354.0545, 0.3042,  
0.3367

 29.0204, 0.2930,  
0.3469


 78.0433, 0.2986,  
0.3418

 19.0963, 0.2900,  
0.3496


 102.0823, 0.2998,  
0.3407

 11.7399, 0.2860,  
0.3534


130.6111, 0.3008,  
0.3398

 6.5668, 0.2802,  
0.3587

164.0140, 0.3017,  
0.3390

 3.1927, 0.2713,  
0.3672

202.6754, 0.3025,  
0.3383

 1.2331, 0.2556,  
0.3822

246.9797, 0.3031,

 0.0885, 0.0000,

0.3377

1.0000

297.3113, 0.3037,  
0.3372

0.0000, 0.0000,  
0.0000

41.8967, 0.2953,  
0.3448

41.8967, 0.2953,  
0.3448

40.0994, 0.2858,  
0.3553

43.9709, 0.3053,  
0.3353

38.5616, 0.2772,  
0.3667

46.3282, 0.3156,  
0.3267

37.2720, 0.2697,  
0.3789

48.9809, 0.3260,  
0.3190

36.2164, 0.2636,  
0.3917

51.9393, 0.3364,  
0.3122

35.3790, 0.2593,  
0.4051

55.2130, 0.3465,  
0.3063

■ 34.7421, 0.2568,  
0.4187

■ 58.4232, 0.3546,  
0.3008

■ 34.2850, 0.2563,  
0.4323

■ 58.7430, 0.3492,  
0.2944

■ 33.9780, 0.2577,  
0.4457

■ 59.0756, 0.3438,  
0.2881

■ 33.9033, 0.2582,  
0.4494

■ 59.4211, 0.3385,  
0.2818

# Harmonies

## Analogous

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



41.8967, 0.3134, 0.3577



41.8967, 0.2953, 0.3448



41.8967, 0.2821, 0.3276

# Triad

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



41.8967, 0.2953, 0.3448



41.8967, 0.2933, 0.2976



41.8967, 0.3499, 0.3450

# Complementary

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



41.8967, 0.2953, 0.3448



33.7487, 0.3340, 0.3138

# 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.



41.8967, 0.3442, 0.3292



41.8967, 0.2953, 0.3448



41.8967, 0.3112, 0.3024

# Square

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



41.8967, 0.2953, 0.3448



41.8967, 0.2810, 0.3006



41.8967, 0.3299, 0.3138



41.8967, 0.3452, 0.3572



# Rectangle

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



41.8967, 0.2953, 0.3448



41.8967, 0.2776, 0.3163



41.8967, 0.3299, 0.3138



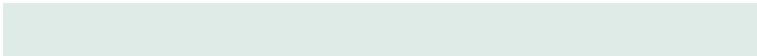
41.8967, 0.3491, 0.3399

# Sweetspot

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



41.8984, 0.2953, 0.3448



80.5928, 0.3075, 0.3334



42.3256, 0.3204, 0.3734



17.3576, 0.3068, 0.3340



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



41.8984, 0.2953, 0.3448



74.5589, 0.2913, 0.3490



40.6871, 0.2869, 0.3230



9.5793, 0.3032, 0.3372



23.6769, 0.2577, 0.4478



0.7556, 0.2474, 0.4105



# Inverse Universe

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



33.7487, 0.3340, 0.3138



56.7357, 0.3403, 0.3099



34.7105, 0.3441, 0.3349



8.5535, 0.3233, 0.3209



7.0418, 0.5521, 0.2815

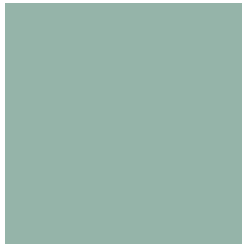


0.2329, 0.4741, 0.2385



# Previews

## White Background



This preview shows how the Yxy color 41.8967, 0.2953, 0.3448 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

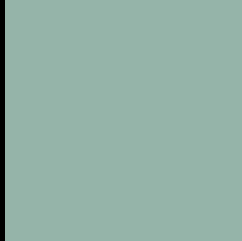
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.8967, 0.2953, 0.3448 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

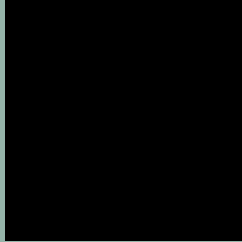
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

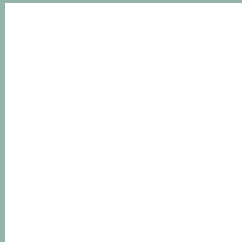
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.8967, 0.2953, 0.3448**

## Background



This preview shows how black text looks on a background with the Yxy color 41.8967, 0.2953, 0.3448.



This preview shows how white text looks on a background with the Yxy color 41.8967, 0.2953, 0.3448.

# 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

41.8967, 0.2953, 0.3448

### Protanopia

41.6866, 0.3241, 0.3386

### Deuteranopia

41.5631, 0.3298, 0.3225



## Tritanopia

41.9782, 0.2821, 0.3095

# Trichromacy



**Original Color**

41.8967, 0.2953, 0.3448

**Protanomaly**

41.6286, 0.3130, 0.3416

**Deuteranomaly**

41.5593, 0.3162, 0.3304

**Tritanomaly**

41.9351, 0.2872, 0.3219

# Monochromacy



**Original Color**

41.8967, 0.2953, 0.3448

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

40.4331, 0.3063, 0.3346

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.8967, 0.2953, 0.3448 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(149, 180, 169)` looks like.

```
.text, #text, p{  
    color:rgb(149, 180, 169)  
}
```

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(149, 180, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 180, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 41.8967, 0.2953, 0.3448 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(149, 180, 169) }
```

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

```
.border{ border-color:rgb(149, 180, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 180, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 180, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 180, 169);  
box-shadow:4px 4px 4px 4px rgb(149, 180,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.8967, 0.2953, 0.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 180, 169) }
```

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

```
.background{ background-color: rgb(149,  
180, 169) }
```

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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