

# Converting Colors

Yxy(50.3142, 0.2960, 0.3618)

Have a look what the booklet for  
Yxy(50.3142, 0.2960, 0.3618)  
contains.

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# Color

**Yxy(50.3142, 0.2960, 0.3618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AC6AE
RGB	154, 198, 174
RGB Percent	60%, 78%, 68%
CMY	0.3960, 0.2235, 0.3176
CMYK	0.22, 0.00, 0.12, 0.22
HSL	147°, 28%, 69%
HSV	147°, 22%, 78%
XYZ	41.1636, 50.3142, 47.5885
YIQ	182.1080, -18.5200, -16.7920

# Conversions

## Conversions Part 2

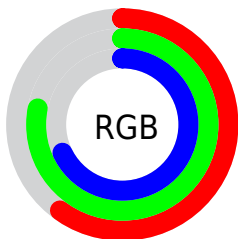
Format	Color
<a href="#">RYB</a>	<a href="#">154, 184, 198</a>
Decimal	<a href="#">10143406</a>
CIELab	<a href="#">76.26, -19.39, 7.29</a>
CIElCh	<a href="#">76, 20.713, 159.384</a>
Yxy	<a href="#">50.3142, 0.2960, 0.3618</a>
Android (android.graphics.Color)	<a href="#">4288333486</a> ( <a href="#">0xFF9AC6AE</a> )
YUV	<a href="#">182.1080, -3.9972, -24.6507</a>
Hunter-Lab	<a href="#">70.9325, -20.5445, 9.8752</a>

# Details

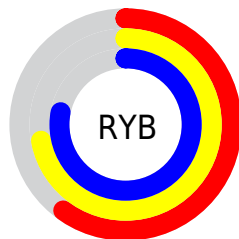
The Yxy color **50.3142, 0.2960, 0.3618** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.3390, 0.3338, 0.2984**, and the grayscale version is **46.8740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7325, 0.2993, 0.3564**, and **24.1764, 0.2908, 0.3707** is the 20% darker color. If you saturate the color by 10%, you get **48.1261, 0.2891, 0.3792**, and if you desaturate by 10%, it is **52.8608, 0.3034, 0.3460**.

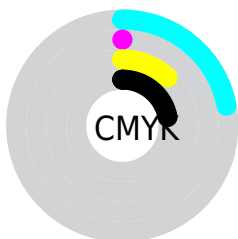
# Distribution



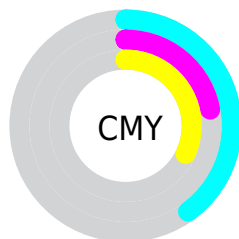
- Red (60%)
- Green (78%)
- Blue (68%)



- Red (60%)
- Yellow (72%)
- Blue (78%)



- Cyan (22%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)




- Cyan (40%)
- Magenta (22%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3142, 0.2960, 0.3618 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 50.3142, 0.2960, 0.3618 by changing the saturation by 10% instead.





 50.3142, 0.2960,  
0.3618

 50.3142, 0.2960,  
0.3618


387.8934, 0.3044,  
0.3452

 35.6631, 0.2939,  
0.3660


 90.6402, 0.2991,  
0.3557

 24.1741, 0.2911,  
0.3714


 117.0840, 0.3002,  
0.3535

 15.4628, 0.2874,  
0.3787


148.2274, 0.3012,  
0.3516

 9.1449, 0.2822,  
0.3890

184.4549, 0.3020,  
0.3499

 4.8358, 0.2744,  
0.4046

226.1508, 0.3028,  
0.3485

 2.1512, 0.2611,  
0.4310

273.6996, 0.3034,

 0.6932, 0.1652,

0.3473

0.6169

327.4857, 0.3039,  
0.3462

0.0000, 0.0000,  
0.0000

50.3142, 0.2960,  
0.3618

50.3142, 0.2960,  
0.3618

48.1261, 0.2891,  
0.3792

52.8608, 0.3034,  
0.3460

46.2738, 0.2829,  
0.3981

55.7751, 0.3110,  
0.3319

44.7416, 0.2779,  
0.4183

59.0735, 0.3187,  
0.3194

43.5098, 0.2743,  
0.4393

62.7699, 0.3262,  
0.3083

42.5567, 0.2724,  
0.4607

66.8771, 0.3336,  
0.2986

■ 41.8574, 0.2724,  
0.4818

■ 67.8694, 0.3270,  
0.2883

■ 41.3823, 0.2744,  
0.5019

■ 68.5265, 0.3192,  
0.2781

■ 41.1257, 0.2768,  
0.5166

■ 68.8680, 0.3153,  
0.2732

# Harmonies

## Analogous

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



50.3142, 0.3241, 0.3772



50.3142, 0.2960, 0.3618



50.3142, 0.2731, 0.3366

# Triad

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



50.3142, 0.2960, 0.3618



50.3142, 0.2754, 0.2825



50.3142, 0.3676, 0.3436

# Complementary

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



50.3142, 0.2960, 0.3618



38.3390, 0.3338, 0.2984

# 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.



50.3142, 0.3534, 0.3199



50.3142, 0.2960, 0.3618



50.3142, 0.2994, 0.2857

# Square

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



50.3142, 0.2960, 0.3618



50.3142, 0.2616, 0.2910



50.3142, 0.3281, 0.2992



50.3142, 0.3662, 0.3648



# Rectangle

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



50.3142, 0.2960, 0.3618



50.3142, 0.2635, 0.3187



50.3142, 0.3281, 0.2992



50.3142, 0.3645, 0.3357

# Sweetspot

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



50.3163, 0.2960, 0.3618



96.1589, 0.3073, 0.3386



52.2115, 0.3292, 0.3869



20.5145, 0.3068, 0.3395



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

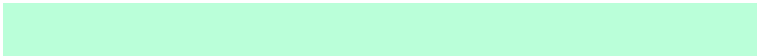


# Same Dimension

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



50.3163, 0.2960, 0.3618



87.0104, 0.2923, 0.3706



51.2365, 0.2815, 0.3318



11.9667, 0.3055, 0.3419



26.7620, 0.2762, 0.5142



1.2817, 0.2648, 0.4734



# Inverse Universe

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



38.3390, 0.3338, 0.2984



61.8074, 0.3400, 0.2909



37.5318, 0.3552, 0.3263



10.7321, 0.3206, 0.3165



8.5296, 0.4749, 0.2390



0.4184, 0.4343, 0.2166



# Previews

## White Background



This preview shows how the Yxy color 50.3142, 0.2960, 0.3618 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

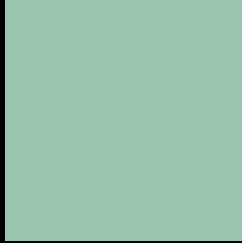
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.3142, 0.2960, 0.3618 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

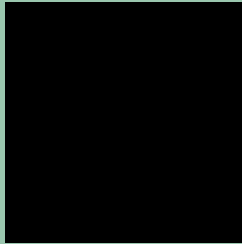
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.3142, 0.2960, 0.3618**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.3142, 0.2960, 0.3618.

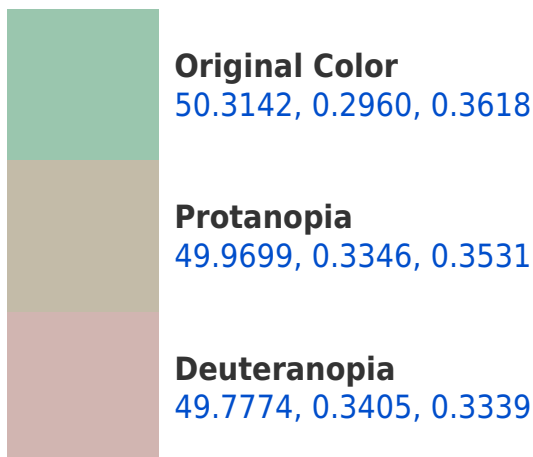


This preview shows how white text looks on a background with the Yxy color 50.3142, 0.2960, 0.3618.

# 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

50.1676, 0.2773, 0.3095

# Trichromacy



**Original Color**

50.3142, 0.2960, 0.3618

**Protanomaly**

49.8672, 0.3196, 0.3565

**Deuteranomaly**

49.4941, 0.3230, 0.3431

**Tritanomaly**

50.2848, 0.2839, 0.3276

# Monochromacy



**Original Color**

50.3142, 0.2960, 0.3618

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

47.9918, 0.3064, 0.3409

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.3142, 0.2960, 0.3618 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(154, 198, 174)` looks like.

```
.text, #text, p{  
    color:rgb(154, 198, 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(154, 198, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 198, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 50.3142, 0.2960, 0.3618 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(154, 198, 174) }
```

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

```
.border{ border-color:rgb(154, 198, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 198, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 198, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 198, 174);  
box-shadow:4px 4px 4px 4px rgb(154, 198,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.3142, 0.2960, 0.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 198, 174) }
```

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

```
.background{ background-color: rgb(154,  
198, 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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