

# Converting Colors

$Y_{xy}(46.5956, 0.2819, 0.3513)$

Have a look what the booklet for  
Yxy(46.5956, 0.2819, 0.3513)  
contains.

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# Color

**Yxy(46.7175, 0.2822, 0.3517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AC1B1
RGB	138, 193, 177
RGB Percent	54%, 76%, 69%
CMY	0.4588, 0.2431, 0.3059
CMYK	0.29, 0.00, 0.08, 0.24
HSL	163°, 31%, 65%
HSV	163°, 29%, 76%
XYZ	37.4856, 46.7175, 48.6303
YIQ	174.7310, -27.6440, -16.6360

# Conversions

## Conversions Part 2

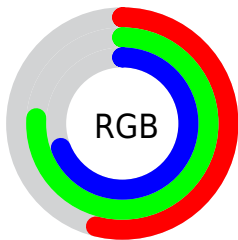
<b>Format</b>	<b>Color</b>
<b>RYB</b>	138, 170, 193
Decimal	9093553
CIELab	74.01, -21.30, 2.31
CIElCh	74, 21.421, 173.811
Yxy	46.7175, 0.2822, 0.3517
Android (android.graphics.Color)	4287283633 (0xFF8AC1B1)
YUV	174.7310, 1.1186, -32.2131
Hunter-Lab	68.3502, -21.7174, 5.6611

# Details

The Yxy color **46.7175, 0.2822, 0.3517** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.8483, 0.3565, 0.3076**, and the grayscale version is **42.7285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5919, 0.2877, 0.3474**, and **21.8989, 0.2738, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **44.9974, 0.2730, 0.3611**, and if you desaturate by 10%, it is **48.7432, 0.2924, 0.3430**.

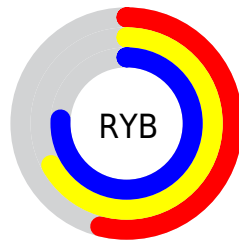
# Distribution



Red (54%)

Green (76%)

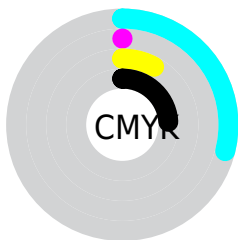
Blue (69%)



Red (54%)

Yellow (67%)

Blue (76%)

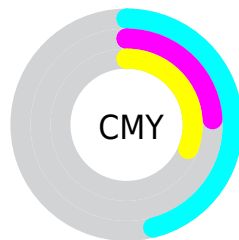


Cyan (29%)

Magenta (0%)

Yellow (8%)

Black (24%)



Cyan (46%)

Magenta (24%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7175, 0.2822, 0.3517 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 46.7175, 0.2822, 0.3517 by changing the saturation by 10% instead.





 46.7175, 0.2822,  
0.3517

 46.7175, 0.2822,  
0.3517


373.6858, 0.2975,  
0.3402


 32.8124, 0.2784,  
0.3546


 85.2918, 0.2878,  
0.3475

 21.9828, 0.2735,  
0.3583


 110.7297, 0.2898,  
0.3459

 13.8442, 0.2669,  
0.3634


 140.7808, 0.2916,  
0.3446

 8.0124, 0.2577,  
0.3705

175.8293, 0.2931,  
0.3435

 4.1029, 0.2440,  
0.3812

216.2596, 0.2944,  
0.3425

 1.7313, 0.2213,  
0.3994

262.4562, 0.2956,

 0.4438, 0.0000,

0.3417

0.5797

314.8035, 0.2966,  
0.3409

0.0000, 0.0000,  
0.0000

46.7175, 0.2822,  
0.3517

46.7175, 0.2822,  
0.3517

44.9974, 0.2730,  
0.3611

48.7432, 0.2924,  
0.3430

43.5615, 0.2651,  
0.3710

51.0832, 0.3032,  
0.3351

42.3947, 0.2587,  
0.3815


53.7530, 0.3144,  
0.3280

41.4782, 0.2540,  
0.3923


56.7651, 0.3258,  
0.3216

40.7905, 0.2514,  
0.4033


60.1318, 0.3372,  
0.3159

 40.3066, 0.2507,  
0.4143

 63.8643, 0.3485,  
0.3109

 39.9860, 0.2517,  
0.4252

 64.3772, 0.3449,  
0.3052

 39.9430, 0.2519,  
0.4268

 64.6734, 0.3405,  
0.2996

 64.9798, 0.3361,  
0.2941

# Harmonies

## Analogous

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



46.7175, 0.3102, 0.3742



46.7175, 0.2822, 0.3517



46.7175, 0.2629, 0.3231

# Triad

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



46.7175, 0.2822, 0.3517



46.7175, 0.2844, 0.2800



46.7175, 0.3724, 0.3558

# Complementary

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



46.7175, 0.2822, 0.3517



31.8483, 0.3565, 0.3076

# 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.



46.7175, 0.3650, 0.3313



46.7175, 0.2822, 0.3517



46.7175, 0.3130, 0.2890

# Square

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



46.7175, 0.2822, 0.3517



46.7175, 0.2641, 0.2829



46.7175, 0.3429, 0.3073



46.7175, 0.3628, 0.3750



# Rectangle

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



46.7175, 0.2822, 0.3517



46.7175, 0.2570, 0.3055



46.7175, 0.3429, 0.3073



46.7175, 0.3718, 0.3479

# Sweetspot

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



46.7194, 0.2822, 0.3517



91.1989, 0.3025, 0.3356



46.8966, 0.3221, 0.4074



19.4266, 0.3009, 0.3367



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

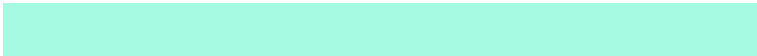


# Same Dimension

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



46.7194, 0.2822, 0.3517



81.7464, 0.2765, 0.3573



42.7112, 0.2702, 0.3133



11.3768, 0.3022, 0.3358



26.5796, 0.2515, 0.4254



1.1599, 0.2448, 0.4012



# Inverse Universe

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



31.8483, 0.3565, 0.3076



50.8954, 0.3694, 0.3028



34.6680, 0.3705, 0.3440



10.1251, 0.3244, 0.3223



7.7442, 0.5768, 0.2951



0.3470, 0.5112, 0.2589



# Previews

## White Background



This preview shows how the Yxy color 46.7175, 0.2822, 0.3517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

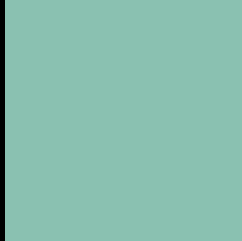
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.7175, 0.2822, 0.3517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

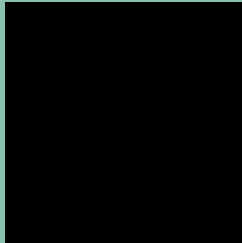
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

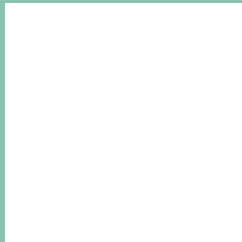
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.7175, 0.2822, 0.3517**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.7175, 0.2822, 0.3517.



This preview shows how white text looks on a background with the Yxy color 46.7175, 0.2822, 0.3517.

# 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

46.7175, 0.2822, 0.3517

### Protanopia

46.5148, 0.3268, 0.3434

### Deuteranopia

46.1383, 0.3291, 0.3215



## Tritanopia

46.6841, 0.2684, 0.3086

# Trichromacy



## Original Color

46.7175, 0.2822, 0.3517

## Protanomaly

46.1501, 0.3086, 0.3452

## Deuteranomaly

46.0983, 0.3100, 0.3316

## Tritanomaly

46.4727, 0.2735, 0.3234

# Monochromacy



## Original Color

46.7175, 0.2822, 0.3517

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

44.2719, 0.3006, 0.3372

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.7175, 0.2822, 0.3517 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(138, 193, 177)` looks like.

```
.text, #text, p{  
    color:rgb(138, 193, 177)  
}
```

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(138, 193, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 193, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 46.7175, 0.2822, 0.3517 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(138, 193, 177) }
```

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

```
.border{ border-color:rgb(138, 193, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 193, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 193, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 193, 177);  
box-shadow:4px 4px 4px 4px rgb(138, 193,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.7175, 0.2822, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 193, 177) }
```

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

```
.background{ background-color: rgb(138,  
193, 177) }
```

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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