

# Converting Colors

$Yxy(47.4808, 0.2825, 0.3188)$

Have a look what the booklet for  
Yxy(47.4808, 0.2825, 0.3188)  
contains.

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# Color

**Yxy(47.5488, 0.2827, 0.3195)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9DBDC4
RGB	157, 189, 196
RGB Percent	62%, 74%, 77%
CMY	0.3842, 0.2588, 0.2313
CMYK	0.20, 0.04, 0.00, 0.23
HSL	191°, 25%, 69%
HSV	191°, 20%, 77%
XYZ	42.0721, 47.5488, 59.2016
YIQ	180.2300, -21.3190, -4.6070

# Conversions

## Conversions Part 2

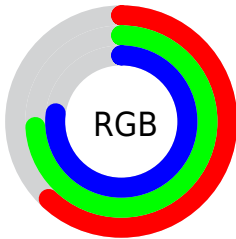
Format	Color
<a href="#">RYB</a>	<a href="#">157, 175, 196</a>
Decimal	<a href="#">10337732</a>
CIELab	<a href="#">74.54, -9.20, -7.14</a>
CIELCh	<a href="#">75, 11.643, 217.796</a>
Yxy	<a href="#">47.5488, 0.2827, 0.3195</a>
Android (android.graphics.Color)	<a href="#">4288527812 (0xFF9DBDC4)</a>
YUV	<a href="#">180.2300, 7.7746, -20.3727</a>
Hunter-Lab	<a href="#">68.9556, -11.7636, -2.6343</a>

# Details

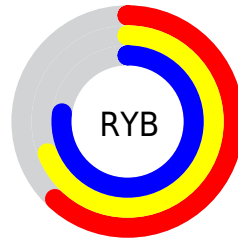
The Yxy color **47.5488, 0.2827, 0.3195** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.7476, 0.3499, 0.3383**, and the grayscale version is **45.7419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3937, 0.2878, 0.3206**, and **22.5646, 0.2748, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **44.2317, 0.2684, 0.3141**, and if you desaturate by 10%, it is **51.2232, 0.2976, 0.3245**.

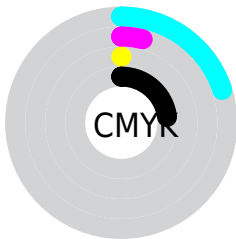
# Distribution



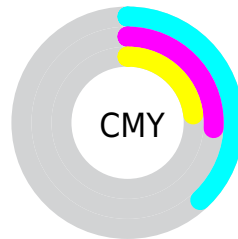
- Red (62%)
- Green (74%)
- Blue (77%)



- Red (62%)
- Yellow (69%)
- Blue (77%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (23%)



- Cyan (38%)
- Magenta (26%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5488, 0.2827, 0.3195 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 47.5488, 0.2827, 0.3195 by changing the saturation by 10% instead.




 47.5488, 0.2827,  
0.3195


 47.5488, 0.2827,  
0.3195


377.0009, 0.2975,  
0.3244

 33.4697, 0.2791,  
0.3182


 86.5322, 0.2880,  
0.3213

 22.4865, 0.2744,  
0.3166


 112.2054, 0.2901,  
0.3220

 14.2148, 0.2683,  
0.3143


142.5120, 0.2918,  
0.3225

 8.2702, 0.2598,  
0.3112

177.8364, 0.2933,  
0.3230

 4.2683, 0.2475,  
0.3062

218.5632, 0.2945,  
0.3234

 1.8248, 0.2277,  
0.2977

265.0766, 0.2957,

 0.5025, 0.1403,

0.3238

0.2786

317.7610, 0.2966,  
0.3241

0.0000, 0.0000,  
0.0000

47.5488, 0.2827,  
0.3195

47.5488, 0.2827,  
0.3195

44.2317, 0.2684,  
0.3141

51.2232, 0.2976,  
0.3245

41.2508, 0.2551,  
0.3083

55.2634, 0.3129,  
0.3290

38.5915, 0.2430,  
0.3023

59.6848, 0.3282,  
0.3332

36.2357, 0.2325,  
0.2960

64.5002, 0.3434,  
0.3368

34.1633, 0.2237,  
0.2895

69.7137, 0.3583,  
0.3401

■ 32.3514, 0.2168,  
0.2830

■ 71.4425, 0.3575,  
0.3437

■ 30.7732, 0.2118,  
0.2765

■ 73.2098, 0.3567,  
0.3473

■ 29.3775, 0.2084,  
0.2701

■ 75.0160, 0.3559,  
0.3508

■ 29.3634, 0.2084,  
0.2700

■ 76.8613, 0.3551,  
0.3544

# Harmonies

## Analogous

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



47.5488, 0.2904, 0.3344



47.5488, 0.2827, 0.3195



47.5488, 0.2828, 0.3078

# Triad

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



47.5488, 0.2827, 0.3195



47.5488, 0.3208, 0.3110



47.5488, 0.3349, 0.3567

# Complementary

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



47.5488, 0.2827, 0.3195



40.7476, 0.3499, 0.3383

# 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.



47.5488, 0.3435, 0.3495



47.5488, 0.2827, 0.3195



47.5488, 0.3353, 0.3233

# Square

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



47.5488, 0.2827, 0.3195



47.5488, 0.3044, 0.3034



47.5488, 0.3437, 0.3372



47.5488, 0.3204, 0.3563



# Rectangle

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



47.5488, 0.2827, 0.3195



47.5488, 0.2872, 0.3032



47.5488, 0.3437, 0.3372



47.5488, 0.3386, 0.3550

# Sweetspot

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



47.5507, 0.2827, 0.3195



95.4649, 0.3034, 0.3263



49.3271, 0.3056, 0.3739



20.3310, 0.3024, 0.3260



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

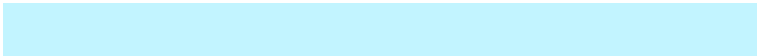


# Same Dimension

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



47.5507, 0.2827, 0.3195



83.3418, 0.2762, 0.3171



39.9174, 0.2811, 0.2933



11.1095, 0.2984, 0.3247



18.9759, 0.2086, 0.2709



0.9024, 0.2126, 0.2853



# Inverse Universe

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



39.5366, 0.3213, 0.2886



66.2840, 0.3236, 0.2792



48.0536, 0.3453, 0.3623



10.2153, 0.3165, 0.3103



9.1979, 0.3719, 0.1823



0.4057, 0.3586, 0.1749



# Previews

## White Background



This preview shows how the Yxy color 47.5488, 0.2827, 0.3195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

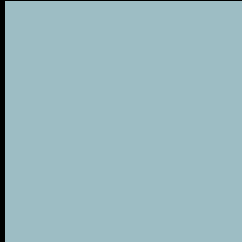
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.5488, 0.2827, 0.3195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

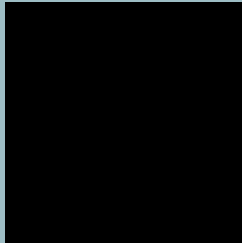
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

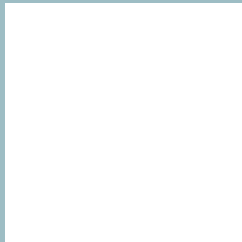
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.5488, 0.2827, 0.3195**

## Background



This preview shows how black text looks on a background with the Yxy color 47.5488, 0.2827, 0.3195.



This preview shows how white text looks on a background with the Yxy color 47.5488, 0.2827, 0.3195.

# 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

47.5488, 0.2827, 0.3195

### Protanopia

47.4520, 0.3066, 0.3162

### Deuteranopia

47.3873, 0.3105, 0.3042



## Tritanopia

47.5473, 0.2786, 0.3091

# Trichromacy



## Original Color

47.5488, 0.2827, 0.3195

## Protanomaly

47.5469, 0.2977, 0.3185

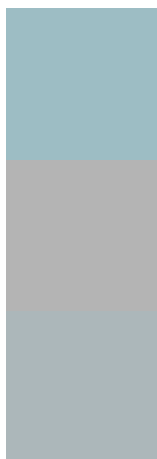
## Deuteranomaly

47.3109, 0.3003, 0.3098

## Tritanomaly

47.4057, 0.2806, 0.3130

# Monochromacy



## Original Color

47.5488, 0.2827, 0.3195

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

46.1828, 0.3013, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.5488, 0.2827, 0.3195 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(157, 189, 196)` looks like.

```
.text, #text, p{  
    color:rgb(157, 189, 196)  
}
```

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(157, 189, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 189, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 47.5488, 0.2827, 0.3195 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(157, 189, 196) }
```

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

```
.border{ border-color:rgb(157, 189, 196) }
```

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

Here you see how a box with a 4 pixel rgb(157, 189, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 189, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 189, 196);  
box-shadow:4px 4px 4px 4px rgb(157, 189,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.5488, 0.2827, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 189, 196) }
```

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

```
.background{ background-color: rgb(157,  
189, 196) }
```

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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