

# Converting Colors

$Yxy(48.0830, 0.2847, 0.3450)$

Have a look what the booklet for  
Yxy(48.0830, 0.2847, 0.3450)  
contains.

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# Color

**Yxy(48.0720, 0.2846, 0.3456)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92C2B6
RGB	146, 194, 182
RGB Percent	57%, 76%, 71%
CMY	0.4275, 0.2392, 0.2863
CMYK	0.25, 0.00, 0.06, 0.24
HSL	165°, 28%, 67%
HSV	165°, 25%, 76%
XYZ	39.5871, 48.0720, 51.4382
YIQ	178.2800, -24.7560, -13.9080

# Conversions

## Conversions Part 2

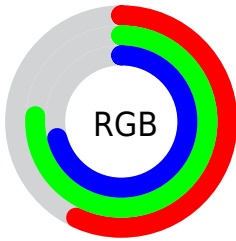
Format	Color
<a href="#">RYB</a>	<a href="#">146, 173, 194</a>
Decimal	<a href="#">9618102</a>
CIELab	<a href="#">74.87, -18.28, 0.91</a>
CIElCh	<a href="#">75, 18.304, 177.159</a>
Yxy	<a href="#">48.0720, 0.2846, 0.3456</a>
Android (android.graphics.Color)	<a href="#">4287808182</a> ( <a href="#">0xFF92C2B6</a> )
YUV	<a href="#">178.2800, 1.8340, -28.3096</a>
Hunter-Lab	<a href="#">69.3340, -19.4177, 4.5471</a>

# Details

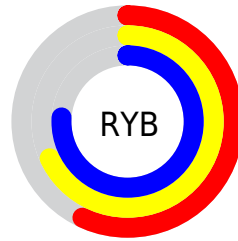
The Yxy color  $48.0720, 0.2846, 0.3456$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $34.4962, 0.3513, 0.3131$ , and the grayscale version is  $44.6767, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.5849, 0.2897, 0.3428$ , and  $22.7208, 0.2767, 0.3502$  is the 20% darker color. If you saturate the color by 10%, you get  $46.2469, 0.2746, 0.3534$ , and if you desaturate by 10%, it is  $50.2097, 0.2955, 0.3384$ .

# Distribution



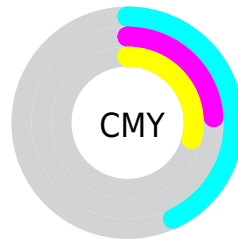
- Red (57%)
- Green (76%)
- Blue (71%)



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



- Cyan (25%)
- Magenta (0%)
- Yellow (6%)
- Black (24%)




- Cyan (43%)
- Magenta (24%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0720, 0.2846, 0.3456 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 48.0720, 0.2846, 0.3456 by changing the saturation by 10% instead.




 48.0720, 0.2846,  
0.3456


 48.0720, 0.2846,  
0.3456


379.0774, 0.2986,  
0.3373

 33.8839, 0.2811,  
0.3477


 87.3116, 0.2897,  
0.3426

 22.8044, 0.2767,  
0.3503


 113.1319, 0.2916,  
0.3415

 14.4492, 0.2708,  
0.3538


143.5984, 0.2932,  
0.3405

 8.4337, 0.2626,  
0.3588

179.0954, 0.2946,  
0.3397

 4.3737, 0.2505,  
0.3661

220.0075, 0.2958,  
0.3390

 1.8847, 0.2307,  
0.3782

266.7189, 0.2968,

 0.5392, 0.0586,

0.3384

0.4776

319.6141, 0.2978,  
0.3378

0.0000, 0.0000,  
0.0000

48.0720, 0.2846,  
0.3456

48.0720, 0.2846,  
0.3456

46.2469, 0.2746,  
0.3534

50.2097, 0.2955,  
0.3384

44.7133, 0.2657,  
0.3617

52.6683, 0.3071,  
0.3319

43.4564, 0.2584,  
0.3704

55.4631, 0.3190,  
0.3260

42.4579, 0.2527,  
0.3795

58.6067, 0.3311,  
0.3207

41.6973, 0.2490,  
0.3888

62.1110, 0.3431,  
0.3160

■ 41.1508, 0.2472,  
0.3981

■ 64.5566, 0.3489,  
0.3115

■ 40.7896, 0.2473,  
0.4074

■ 64.8042, 0.3450,  
0.3066

■ 40.6439, 0.2478,  
0.4122

■ 65.0593, 0.3412,  
0.3017

■ 65.3219, 0.3374,  
0.2969

# Harmonies

## Analogous

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



48.0720, 0.3079, 0.3653



48.0720, 0.2846, 0.3456



48.0720, 0.2691, 0.3216

# Triad

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



48.0720, 0.2846, 0.3456



48.0720, 0.2912, 0.2876



48.0720, 0.3629, 0.3542

# Complementary

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



48.0720, 0.2846, 0.3456



34.4962, 0.3513, 0.3131

# 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.



48.0720, 0.3583, 0.3336



48.0720, 0.2846, 0.3456



48.0720, 0.3160, 0.2962

# Square

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



48.0720, 0.2846, 0.3456



48.0720, 0.2728, 0.2890



48.0720, 0.3408, 0.3127



48.0720, 0.3535, 0.3693



# Rectangle

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



48.0720, 0.2846, 0.3456



48.0720, 0.2650, 0.3071



48.0720, 0.3408, 0.3127



48.0720, 0.3630, 0.3477

# Sweetspot

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



48.0740, 0.2846, 0.3456



94.3071, 0.3043, 0.3334



48.0123, 0.3197, 0.3962



20.5902, 0.3036, 0.3338



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

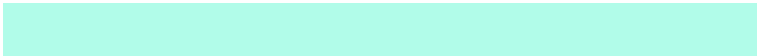


# Same Dimension

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



48.0740, 0.2846, 0.3456



85.1283, 0.2787, 0.3500



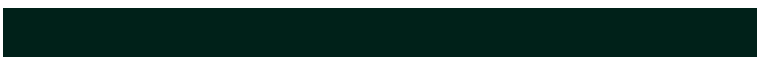
43.7924, 0.2754, 0.3134



11.3840, 0.3017, 0.3348



26.7337, 0.2475, 0.4110



1.1656, 0.2418, 0.3904



# Inverse Universe

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



34.4962, 0.3513, 0.3131



56.0825, 0.3634, 0.3092



37.7267, 0.3605, 0.3441



10.1184, 0.3250, 0.3233



7.6956, 0.5904, 0.3026

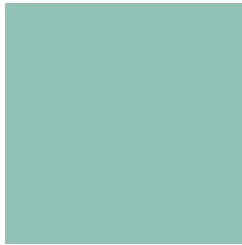


0.3440, 0.5249, 0.2665



# Previews

## White Background



This preview shows how the Yxy color 48.0720, 0.2846, 0.3456 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

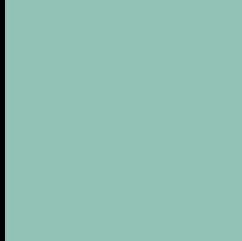
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0720, 0.2846, 0.3456 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

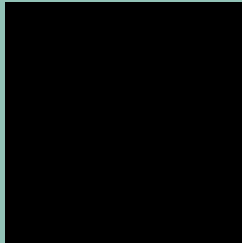
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.0720, 0.2846, 0.3456**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.0720, 0.2846, 0.3456.



This preview shows how white text looks on a background with the Yxy color 48.0720, 0.2846, 0.3456.

# 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

48.0720, 0.2846, 0.3456

### Protanopia

47.8204, 0.3234, 0.3380

### Deuteranopia

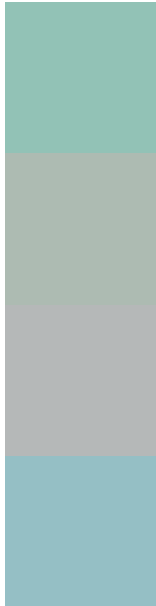
47.7611, 0.3271, 0.3204



## Tritanopia

47.8625, 0.2720, 0.3076

# Trichromacy



## Original Color

48.0720, 0.2846, 0.3456

## Protanomaly

47.6392, 0.3080, 0.3409

## Deuteranomaly

47.5654, 0.3102, 0.3290

## Tritanomaly

47.6824, 0.2765, 0.3208

# Monochromacy



## Original Color

48.0720, 0.2846, 0.3456

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

45.6426, 0.3016, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0720, 0.2846, 0.3456 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(146, 194, 182)` looks like.

```
.text, #text, p{  
    color:rgb(146, 194, 182)  
}
```

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(146, 194, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 194, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0720, 0.2846, 0.3456 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(146, 194, 182) }
```

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

```
.border{ border-color:rgb(146, 194, 182) }
```

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

Here you see how a box with a 4 pixel rgb(146, 194, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 194, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 194, 182);  
box-shadow:4px 4px 4px 4px rgb(146, 194,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0720, 0.2846, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 194, 182) }
```

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

```
.background{ background-color: rgb(146,  
194, 182) }
```

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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