

# Converting Colors

Yxy(48.8615, 0.2820, 0.3146)

Have a look what the booklet for  
Yxy(48.8615, 0.2820, 0.3146)  
contains.

<b>Yxy(49.0557, 0.2824, 0.3158)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(49.0557, 0.2824, 0.3158)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A1BFC9
RGB	161, 191, 201
RGB Percent	63%, 75%, 79%
CMY	0.3687, 0.2509, 0.2118
CMYK	0.20, 0.05, 0.00, 0.21
HSL	195°, 27%, 71%
HSV	195°, 20%, 79%
XYZ	43.8674, 49.0557, 62.4148
YIQ	183.1700, -21.0900, -3.2500

# Conversions

## Conversions Part 2

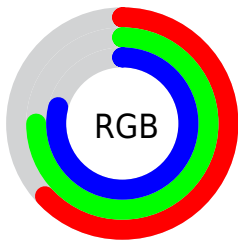
Format	Color
<a href="#">RYB</a>	<a href="#">161, 178, 201</a>
Decimal	<a href="#">10600393</a>
CIELab	<a href="#">75.49, -7.94, -8.40</a>
CIELCh	<a href="#">75, 11.559, 226.646</a>
Yxy	<a href="#">49.0557, 0.2824, 0.3158</a>
Android (android.graphics.Color)	<a href="#">4288790473</a> ( <a href="#">0xFFA1BFC9</a> )
YUV	<a href="#">183.1700, 8.7902, -19.4431</a>
Hunter-Lab	<a href="#">70.0398, -10.7712, -3.8074</a>

# Details

The Yxy color **49.0557, 0.2824, 0.3158** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.1033, 0.3494, 0.3418**, and the grayscale version is **47.4102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3405, 0.2891, 0.3207**, and **23.5348, 0.2746, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **44.9838, 0.2677, 0.3083**, and if you desaturate by 10%, it is **53.5423, 0.2976, 0.3227**.

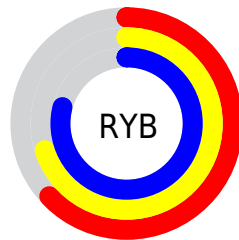
# Distribution



Red (63%)

Green (75%)

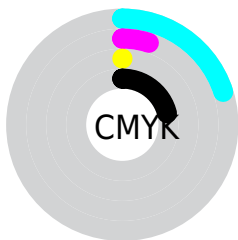
Blue (79%)



Red (63%)

Yellow (70%)

Blue (79%)

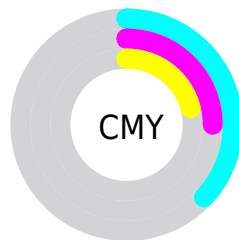


Cyan (20%)

Magenta (5%)

Yellow (0%)

Black (21%)



Cyan (37%)

Magenta (25%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0557, 0.2824, 0.3158 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 49.0557, 0.2824, 0.3158 by changing the saturation by 10% instead.




 49.0557, 0.2824,  
0.3158


 49.0557, 0.2824,  
0.3158


382.9616, 0.2973,  
0.3225

 34.6637, 0.2788,  
0.3141


 88.7742, 0.2878,  
0.3183

 23.4039, 0.2741,  
0.3119


 114.8694, 0.2898,  
0.3192

 14.8920, 0.2681,  
0.3090


145.6345, 0.2915,  
0.3199

 8.7436, 0.2598,  
0.3048

181.4538, 0.2930,  
0.3206

 4.5744, 0.2477,  
0.2986

222.7118, 0.2943,  
0.3212

 1.9998, 0.2286,  
0.2882

269.7928, 0.2954,

 0.6073, 0.1691,

0.3217

0.2677

323.0813, 0.2964,  
0.3221

0.0000, 0.0000,  
0.0000

49.0557, 0.2824,  
0.3158

49.0557, 0.2824,  
0.3158

44.9838, 0.2677,  
0.3083

53.5423, 0.2976,  
0.3227

41.3037, 0.2537,  
0.3001

58.4532, 0.3128,  
0.3291

37.9995, 0.2409,  
0.2916

63.8051, 0.3281,  
0.3347

35.0513, 0.2294,  
0.2826

69.6121, 0.3430,  
0.3398

32.4374, 0.2196,  
0.2734

74.6383, 0.3525,  
0.3445

■ 30.1329, 0.2118,  
0.2641

■ 77.2501, 0.3515,  
0.3496

■ 28.1085, 0.2059,  
0.2548

■ 79.9411, 0.3504,  
0.3545

■ 26.3103, 0.2016,  
0.2457

■ 82.7120, 0.3494,  
0.3595

■ 26.2951, 0.2016,  
0.2456

■ 85.5634, 0.3484,  
0.3643

# Harmonies

## Analogous

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



49.0557, 0.2879, 0.3299



49.0557, 0.2824, 0.3158



49.0557, 0.2848, 0.3058

# Triad

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



49.0557, 0.2824, 0.3158



49.0557, 0.3253, 0.3145



49.0557, 0.3307, 0.3569

# Complementary

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



49.0557, 0.2824, 0.3158



44.1033, 0.3494, 0.3418

# 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.



49.0557, 0.3413, 0.3519



49.0557, 0.2824, 0.3158



49.0557, 0.3381, 0.3274

# Square

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



49.0557, 0.2824, 0.3158



49.0557, 0.3093, 0.3054



49.0557, 0.3440, 0.3410



49.0557, 0.3155, 0.3542



# Rectangle

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



49.0557, 0.2824, 0.3158



49.0557, 0.2906, 0.3026



49.0557, 0.3440, 0.3410



49.0557, 0.3350, 0.3560

# Sweetspot

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



49.0577, 0.2824, 0.3158



94.8002, 0.3034, 0.3252



52.2625, 0.3037, 0.3703



20.1736, 0.3024, 0.3248



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

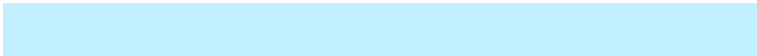


# Same Dimension

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



49.0577, 0.2824, 0.3158



80.8205, 0.2758, 0.3125



41.1634, 0.2808, 0.2895



11.6018, 0.2984, 0.3231



16.6846, 0.2019, 0.2469



0.8998, 0.2072, 0.2660



# Inverse Universe

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



41.6611, 0.3238, 0.2918



66.0295, 0.3267, 0.2832



51.9590, 0.3448, 0.3656



10.7696, 0.3175, 0.3118



9.2243, 0.3953, 0.1951



0.4478, 0.3766, 0.1848



# Previews

## White Background



This preview shows how the Yxy color 49.0557, 0.2824, 0.3158 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

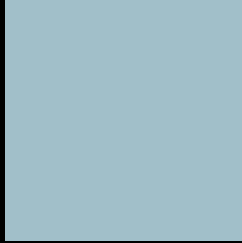
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0557, 0.2824, 0.3158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

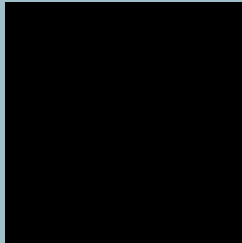
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

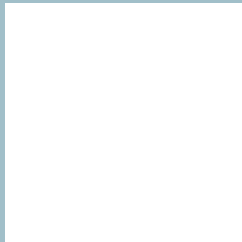
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.0557, 0.2824, 0.3158**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.0557, 0.2824, 0.3158.



This preview shows how white text looks on a background with the Yxy color 49.0557, 0.2824, 0.3158.

# 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

49.0557, 0.2824, 0.3158

### Protanopia

48.7513, 0.3044, 0.3126

### Deuteranopia

48.5564, 0.3073, 0.3008



## Tritanopia

48.9161, 0.2804, 0.3094

# Trichromacy



**Original Color**

49.0557, 0.2824, 0.3158

**Protanomaly**

48.9650, 0.2964, 0.3149

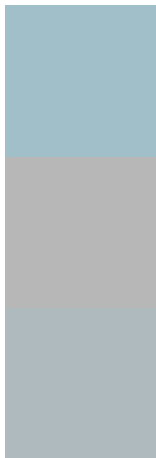
**Deuteranomaly**

48.6125, 0.2982, 0.3063

**Tritanomaly**

48.8679, 0.2811, 0.3106

# Monochromacy



**Original Color**

49.0557, 0.2824, 0.3158

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

47.9495, 0.3007, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0557, 0.2824, 0.3158 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(161, 191, 201)` looks like.

```
.text, #text, p{  
    color:rgb(161, 191, 201)  
}
```

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(161, 191, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 191, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0557, 0.2824, 0.3158 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(161, 191, 201) }
```

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

```
.border{ border-color:rgb(161, 191, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 191, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 191, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 191, 201);  
box-shadow:4px 4px 4px 4px rgb(161, 191,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0557, 0.2824, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 191, 201) }
```

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

```
.background{ background-color: rgb(161,  
191, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor