

# Converting Colors

$Y_{xy}(49.0359, 0.2947, 0.3323)$

Have a look what the booklet for  
Yxy(49.0359, 0.2947, 0.3323)  
contains.

<b>Yxy(49.0427, 0.2944, 0.3316)</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(49.0427, 0.2944, 0.3316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6BFBD
RGB	166, 191, 189
RGB Percent	65%, 75%, 74%
CMY	0.3490, 0.2510, 0.2588
CMYK	0.13, 0.00, 0.01, 0.25
HSL	175°, 16%, 70%
HSV	175°, 13%, 75%
XYZ	43.5409, 49.0427, 55.3135
YIQ	183.2970, -14.2580, -5.9220

# Conversions

## Conversions Part 2

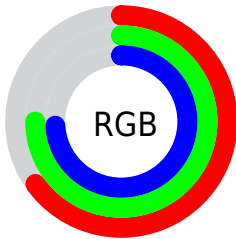
Format	Color
<b>RYB</b>	166, 179, 191
Decimal	10928061
CIELab	75.48, -8.86, -1.86
CIElCh	75, 9.055, 191.871
Yxy	49.0427, 0.2944, 0.3316
Android (android.graphics.Color)	4289118141 (0xFFA6BFBD)
YUV	183.2970, 2.8116, -15.1695
Hunter-Lab	70.0305, -11.5723, 2.1912

# Details

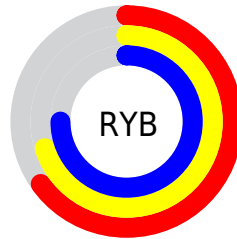
The Yxy color **49.0427, 0.2944, 0.3316** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.1757, 0.3345, 0.3264**, and the grayscale version is **47.5161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4863, 0.2976, 0.3310**, and **23.5319, 0.2893, 0.3326** is the 20% darker color. If you saturate the color by 10%, you get **47.0653, 0.2813, 0.3338**, and if you desaturate by 10%, it is **51.3315, 0.3083, 0.3296**.

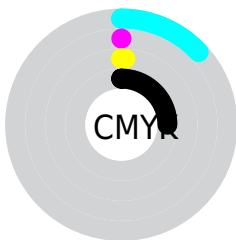
# Distribution



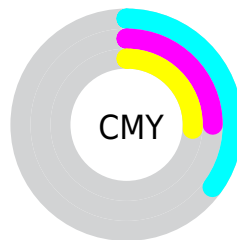
- Red (65%)
- Green (75%)
- Blue (74%)



- Red (65%)
- Yellow (70%)
- Blue (75%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (25%)




- Cyan (35%)
- Magenta (25%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0427, 0.2944, 0.3316 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 49.0427, 0.2944, 0.3316 by changing the saturation by 10% instead.





 49.0427, 0.2944,  
0.3316


 49.0427, 0.2944,  
0.3316

382.9104, 0.3035,  
0.3304

 34.6534, 0.2922,  
0.3319

 88.7549, 0.2977,  
0.3312

 23.3960, 0.2893,  
0.3323

 114.8465, 0.2989,  
0.3310

 14.8862, 0.2856,  
0.3327


145.6076, 0.2999,  
0.3309

 8.7395, 0.2804,  
0.3333

181.4227, 0.3008,  
0.3307

 4.5717, 0.2727,  
0.3342

222.6762, 0.3016,  
0.3306

 1.9982, 0.2604,  
0.3355

269.7523, 0.3023,

 0.6064, 0.2049,

0.3305

0.3451

323.0356, 0.3029,  
0.3304

0.0000, 0.0000,  
0.0000

49.0427, 0.2944,  
0.3316

49.0427, 0.2944,  
0.3316

47.0653, 0.2813,  
0.3338

51.3315, 0.3083,  
0.3296

45.3797, 0.2693,  
0.3362

53.9381, 0.3227,  
0.3278

43.9734, 0.2587,  
0.3386

56.8765, 0.3374,  
0.3261

42.8307, 0.2497,  
0.3412

60.1581, 0.3522,  
0.3247

41.9344, 0.2425,  
0.3439

62.5399, 0.3614,  
0.3233

■ 41.2652, 0.2372,  
0.3466

■ 62.6104, 0.3601,  
0.3217

■ 40.8008, 0.2337,  
0.3493

■ 62.6817, 0.3588,  
0.3201

■ 40.5147, 0.2321,  
0.3520

■ 62.7536, 0.3576,  
0.3185

■ 40.3857, 0.2316,  
0.3539

■ 62.8262, 0.3563,  
0.3169

# Harmonies

## Analogous

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



49.0427, 0.3045, 0.3423



49.0427, 0.2944, 0.3316



49.0427, 0.2891, 0.3204

# Triad

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



49.0427, 0.2944, 0.3316



49.0427, 0.3081, 0.3097



49.0427, 0.3359, 0.3459

# Complementary

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



49.0427, 0.2944, 0.3316



41.1757, 0.3345, 0.3264

# 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.



49.0427, 0.3369, 0.3369



49.0427, 0.2944, 0.3316



49.0427, 0.3207, 0.3162

# Square

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



49.0427, 0.2944, 0.3316



49.0427, 0.2969, 0.3080



49.0427, 0.3313, 0.3261



49.0427, 0.3285, 0.3506



# Rectangle

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



49.0427, 0.2944, 0.3316



49.0427, 0.2890, 0.3142



49.0427, 0.3313, 0.3261



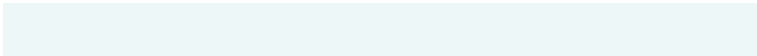
49.0427, 0.3370, 0.3432

# Sweetspot

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



49.0447, 0.2944, 0.3316



91.5069, 0.3069, 0.3298



48.3508, 0.3128, 0.3629



20.0221, 0.3058, 0.3299



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

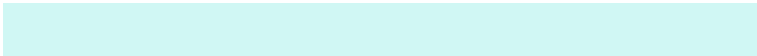


# Same Dimension

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



49.0447, 0.2944, 0.3316



86.6551, 0.2902, 0.3323



44.7478, 0.2926, 0.3150



10.7960, 0.2995, 0.3308



26.5448, 0.2315, 0.3535



1.0437, 0.2297, 0.3471



# Inverse Universe

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



41.1757, 0.3345, 0.3264



69.5402, 0.3407, 0.3258



45.0447, 0.3345, 0.3426



9.5485, 0.3276, 0.3272



7.3075, 0.6298, 0.3243



0.2905, 0.5940, 0.3046



# Previews

## White Background



This preview shows how the Yxy color 49.0427, 0.2944, 0.3316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

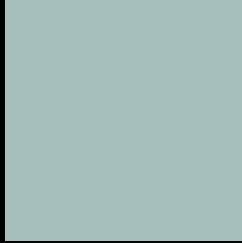
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0427, 0.2944, 0.3316 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

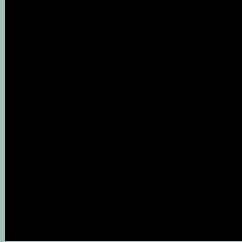
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

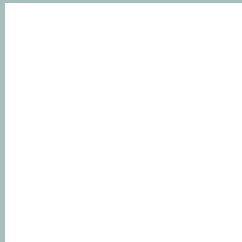
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.0427, 0.2944, 0.3316**

## Background



This preview shows how black text looks on a background with the Yxy color 49.0427, 0.2944, 0.3316.

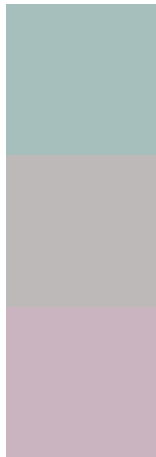


This preview shows how white text looks on a background with the Yxy color 49.0427, 0.2944, 0.3316.

# 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

49.0427, 0.2944, 0.3316

### Protanopia

49.0195, 0.3161, 0.3290

### Deuteranopia

48.8216, 0.3219, 0.3155



## Tritanopia

49.1898, 0.2861, 0.3096

# Trichromacy



## Original Color

49.0427, 0.2944, 0.3316

## Protanomaly

48.9096, 0.3085, 0.3303

## Deuteranomaly

48.6901, 0.3114, 0.3214

## Tritanomaly

49.2753, 0.2889, 0.3172

# Monochromacy



## Original Color

49.0427, 0.2944, 0.3316

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.9677, 0.3060, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0427, 0.2944, 0.3316 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(166, 191, 189)` looks like.

```
.text, #text, p{  
    color:rgb(166, 191, 189)  
}
```

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(166, 191, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 191, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0427, 0.2944, 0.3316 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(166, 191, 189) }
```

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

```
.border{ border-color:rgb(166, 191, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 191, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 191, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 191, 189); box-shadow:4px 4px 4px 4px rgb(166, 191, 189) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0427, 0.2944, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 191, 189) }
```

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

```
.background{ background-color: rgb(166,  
191, 189) }
```

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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