

# Converting Colors

$Yxy(47.7395, 0.2860, 0.3342)$

Have a look what the booklet for  
Yxy(47.7395, 0.2860, 0.3342)  
contains.

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# Color

**Yxy(47.6218, 0.2860, 0.3344)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99BFBB
RGB	153, 191, 187
RGB Percent	60%, 75%, 73%
CMY	0.4002, 0.2509, 0.2667
CMYK	0.20, 0.00, 0.02, 0.25
HSL	174°, 23%, 67%
HSV	174°, 20%, 75%
XYZ	40.7292, 47.6218, 54.0587
YIQ	179.1820, -21.3640, -9.3000

# Conversions

## Conversions Part 2

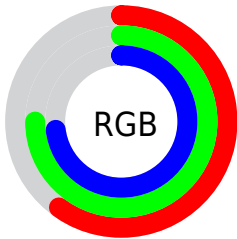
Format	Color
<b>RYB</b>	153, 173, 191
Decimal	10076091
CIELab	74.59, -13.50, -2.18
CIELCh	75, 13.674, 189.194
Yxy	47.6218, 0.2860, 0.3344
Android (android.graphics.Color)	4288266171 (0xFF99BFBB)
YUV	179.1820, 3.8543, -22.9616
Hunter-Lab	69.0086, -15.4134, 1.8604

# Details

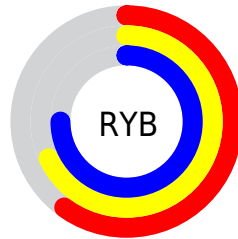
The Yxy color **47.6218, 0.2860, 0.3344** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.2757, 0.3476, 0.3237**, and the grayscale version is **45.1646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4025, 0.2909, 0.3332**, and **22.6649, 0.2785, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **45.8266, 0.2739, 0.3375**, and if you desaturate by 10%, it is **49.7196, 0.2991, 0.3316**.

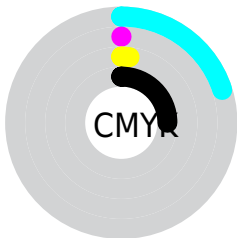
# Distribution



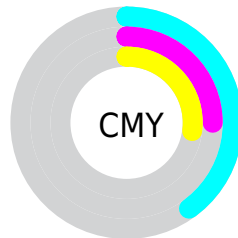
- Red (60%)
- Green (75%)
- Blue (73%)



- Red (60%)
- Yellow (68%)
- Blue (75%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (25%)




- Cyan (40%)
- Magenta (25%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6218, 0.2860, 0.3344 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 47.6218, 0.2860, 0.3344 by changing the saturation by 10% instead.





 47.6218, 0.2860,  
0.3344

 47.6218, 0.2860,  
0.3344

377.2911, 0.2992,  
0.3318

 33.5275, 0.2827,  
0.3350


 86.6410, 0.2908,  
0.3335

 22.5308, 0.2785,  
0.3358


 112.3347, 0.2926,  
0.3331

 14.2475, 0.2730,  
0.3368


142.6637, 0.2941,  
0.3328

 8.2930, 0.2653,  
0.3381

178.0123, 0.2954,  
0.3326

 4.2830, 0.2540,  
0.3400

218.7649, 0.2966,  
0.3323

 1.8331, 0.2356,  
0.3428

265.3060, 0.2976,

 0.5077, 0.1120,

0.3321

0.3716

318.0199, 0.2985,  
0.3320

0.0000, 0.0000,  
0.0000

47.6218, 0.2860,  
0.3344

47.6218, 0.2860,  
0.3344

45.8266, 0.2739,  
0.3375

49.7196, 0.2991,  
0.3316

44.3140, 0.2631,  
0.3407

52.1274, 0.3128,  
0.3290

43.0707, 0.2537,  
0.3441

54.8595, 0.3270,  
0.3266

42.0799, 0.2461,  
0.3477

57.9277, 0.3413,  
0.3246

41.3231, 0.2404,  
0.3513

61.3430, 0.3556,  
0.3227

■ 40.7791, 0.2365,  
0.3549

■ 62.6567, 0.3594,  
0.3208

■ 40.4229, 0.2345,  
0.3585

■ 62.7510, 0.3577,  
0.3187

■ 40.2056, 0.2339,  
0.3621

■ 62.8465, 0.3560,  
0.3166

■ 40.2042, 0.2339,  
0.3621

■ 62.9433, 0.3544,  
0.3145

# Harmonies

## Analogous

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



47.6218, 0.3018, 0.3508



47.6218, 0.2860, 0.3344



47.6218, 0.2774, 0.3170

# Triad

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



47.6218, 0.2860, 0.3344



47.6218, 0.3038, 0.2993



47.6218, 0.3486, 0.3535

# Complementary

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



47.6218, 0.2860, 0.3344



36.2757, 0.3476, 0.3237

# 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.



47.6218, 0.3494, 0.3392



47.6218, 0.2860, 0.3344



47.6218, 0.3231, 0.3086

# Square

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



47.6218, 0.2860, 0.3344



47.6218, 0.2874, 0.2974



47.6218, 0.3399, 0.3230



47.6218, 0.3380, 0.3617



# Rectangle

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



47.6218, 0.2860, 0.3344



47.6218, 0.2767, 0.3073



47.6218, 0.3399, 0.3230



47.6218, 0.3501, 0.3492

# Sweetspot

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



47.6238, 0.2860, 0.3344



90.6175, 0.3043, 0.3306



46.7740, 0.3138, 0.3826



19.8375, 0.3034, 0.3307



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

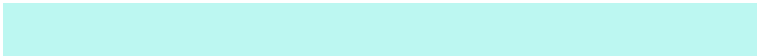


# Same Dimension

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



47.6238, 0.2860, 0.3344



83.7815, 0.2805, 0.3357



41.7457, 0.2820, 0.3087



10.7917, 0.2999, 0.3314



26.4236, 0.2338, 0.3616



1.0401, 0.2314, 0.3530



# Inverse Universe

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



36.2757, 0.3476, 0.3237



59.7045, 0.3577, 0.3225



41.2118, 0.3480, 0.3485



9.5523, 0.3272, 0.3266



7.3187, 0.6259, 0.3222

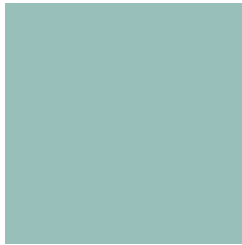


0.2922, 0.5812, 0.2976



# Previews

## White Background



This preview shows how the Yxy color 47.6218, 0.2860, 0.3344 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

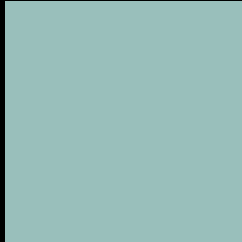
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.6218, 0.2860, 0.3344 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

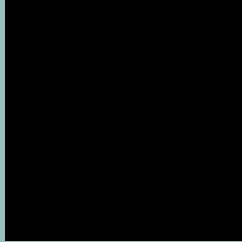
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

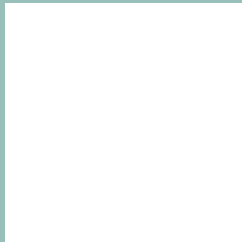
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.6218, 0.2860, 0.3344**

## Background



This preview shows how black text looks on a background with the Yxy color 47.6218, 0.2860, 0.3344.



This preview shows how white text looks on a background with the Yxy color 47.6218, 0.2860, 0.3344.

# 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

47.6218, 0.2860, 0.3344

### Protanopia

47.2724, 0.3161, 0.3290

### Deuteranopia

47.1678, 0.3204, 0.3129



## Tritanopia

47.3940, 0.2765, 0.3077

# Trichromacy



## Original Color

47.6218, 0.2860, 0.3344

## Protanomaly

47.1573, 0.3044, 0.3303

## Deuteranomaly

47.0751, 0.3072, 0.3200

## Tritanomaly

47.4410, 0.2799, 0.3169

# Monochromacy



## Original Color

47.6218, 0.2860, 0.3344

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

45.7904, 0.3026, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.6218, 0.2860, 0.3344 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(153, 191, 187)` looks like.

```
.text, #text, p{  
    color:rgb(153, 191, 187)  
}
```

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(153, 191, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 191, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 47.6218, 0.2860, 0.3344 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(153, 191, 187) }
```

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

```
.border{ border-color:rgb(153, 191, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 191, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 191, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 191, 187); box-shadow:4px 4px 4px 4px rgb(153, 191, 187) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.6218, 0.2860, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 191, 187) }
```

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

```
.background{ background-color: rgb(153,  
191, 187) }
```

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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