

# Converting Colors

$Yxy(46.4286, 0.2788, 0.3135)$

Have a look what the booklet for  
Yxy(46.4286, 0.2788, 0.3135)  
contains.

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# Color

**Yxy(46.4879, 0.2790, 0.3141)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9ABBC6
RGB	154, 187, 198
RGB Percent	60%, 73%, 78%
CMY	0.3960, 0.2667, 0.2235
CMYK	0.22, 0.06, 0.00, 0.22
HSL	195°, 28%, 69%
HSV	195°, 22%, 78%
XYZ	41.2930, 46.4879, 60.2226
YIQ	178.3870, -23.1990, -3.5750

# Conversions

## Conversions Part 2

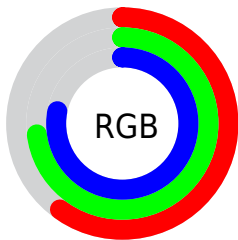
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 173, 198
Decimal	10140614
CIELab	73.86, -8.64, -9.24
CIELCh	74, 12.651, 226.907
Yxy	46.4879, 0.2790, 0.3141
Android (android.graphics.Color)	4288330694 (0xFF9ABBC6)
YUV	178.3870, 9.6692, -21.3874
Hunter-Lab	68.1820, -11.2139, -4.6412

# Details

The Yxy color  $46.4879, 0.2790, 0.3141$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $41.2600, 0.3544, 0.3434$ , and the grayscale version is  $44.6966, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $84.8765, 0.2848, 0.3164$ , and  $21.8886, 0.2699, 0.3103$  is the 20% darker color. If you saturate the color by 10%, you get  $42.6383, 0.2644, 0.3064$ , and if you desaturate by 10%, it is  $50.7342, 0.2941, 0.3212$ .

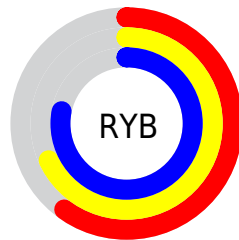
# Distribution



Red (60%)

Green (73%)

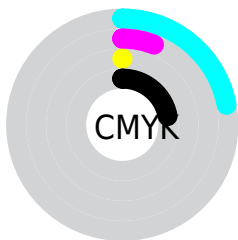
Blue (78%)



Red (60%)

Yellow (68%)

Blue (78%)

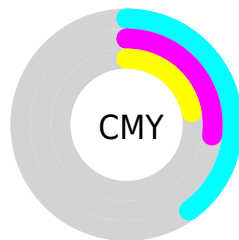


Cyan (22%)

Magenta (6%)

Yellow (0%)

Black (22%)



Cyan (40%)

Magenta (27%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4879, 0.2790, 0.3141 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 46.4879, 0.2790, 0.3141 by changing the saturation by 10% instead.



■ 46.4879, 0.2790,  
0.3141

■ 46.4879, 0.2790,  
0.3141

372.7667, 0.2957,  
0.3217

■ 32.6310, 0.2749,  
0.3121

■ 84.9487, 0.2850,  
0.3169

■ 21.8439, 0.2696,  
0.3096

■ 110.3214, 0.2873,  
0.3180

■ 13.7423, 0.2627,  
0.3062

140.3015, 0.2892,  
0.3188

■ 7.9416, 0.2532,  
0.3013

175.2734, 0.2909,  
0.3196

■ 4.0576, 0.2392,  
0.2938

215.6215, 0.2923,  
0.3202

■ 1.7058, 0.2169,  
0.2811

261.7301, 0.2936,

■ 0.4274, 0.1121,

0.3208

0.2454

313.9837, 0.2947,  
0.3213

0.0000, 0.0000,  
0.0000

46.4879, 0.2790,  
0.3141

46.4879, 0.2790,  
0.3141

42.6383, 0.2644,  
0.3064

50.7342, 0.2941,  
0.3212

39.1635, 0.2507,  
0.2982

55.3870, 0.3093,  
0.3277

36.0474, 0.2381,  
0.2895

60.4625, 0.3246,  
0.3335

33.2707, 0.2270,  
0.2805

65.9743, 0.3395,  
0.3387

30.8118, 0.2177,  
0.2712

71.9355, 0.3541,  
0.3433

■ 28.6459, 0.2102,  
0.2619

■ 74.8195, 0.3546,  
0.3482

■ 26.7436, 0.2048,  
0.2526

■ 77.4074, 0.3535,  
0.3532

■ 25.4026, 0.2015,  
0.2455

■ 80.0727, 0.3524,  
0.3581

■ 82.8159, 0.3514,  
0.3629

# Harmonies

## Analogous

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



46.4879, 0.2850, 0.3298



46.4879, 0.2790, 0.3141



46.4879, 0.2817, 0.3031

# Triad

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



46.4879, 0.2790, 0.3141



46.4879, 0.3268, 0.3130



46.4879, 0.3326, 0.3601

# Complementary

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



46.4879, 0.2790, 0.3141



41.2600, 0.3544, 0.3434

# 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.



46.4879, 0.3445, 0.3545



46.4879, 0.2790, 0.3141



46.4879, 0.3412, 0.3273

# Square

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



46.4879, 0.2790, 0.3141



46.4879, 0.3090, 0.3029



46.4879, 0.3477, 0.3424



46.4879, 0.3157, 0.3571



# Rectangle

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



46.4879, 0.2790, 0.3141



46.4879, 0.2882, 0.2996



46.4879, 0.3477, 0.3424



46.4879, 0.3374, 0.3592

# Sweetspot

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



46.4898, 0.2790, 0.3141



93.9540, 0.3019, 0.3246



49.9784, 0.3022, 0.3746



20.0022, 0.3009, 0.3242



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

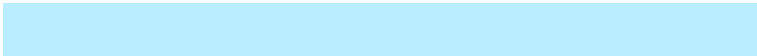


# Same Dimension

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



46.4898, 0.2790, 0.3141



78.6957, 0.2714, 0.3102



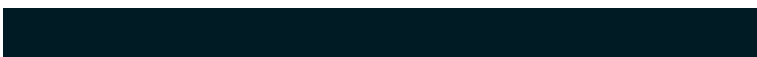
37.8668, 0.2767, 0.2834



11.6007, 0.2984, 0.3231



16.6614, 0.2019, 0.2467



0.8988, 0.2072, 0.2658



# Inverse Universe

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



38.7131, 0.3253, 0.2874



62.6008, 0.3289, 0.2773



49.8834, 0.3486, 0.3708



10.7695, 0.3175, 0.3118



9.2220, 0.3955, 0.1953



0.4478, 0.3768, 0.1849



# Previews

## White Background



This preview shows how the Yxy color 46.4879, 0.2790, 0.3141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

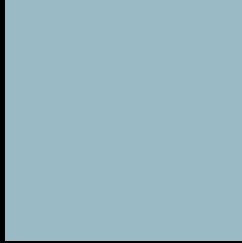
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.4879, 0.2790, 0.3141 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

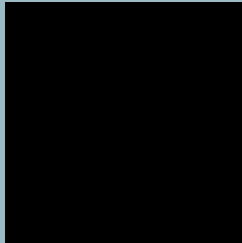
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.4879, 0.2790, 0.3141**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.4879, 0.2790, 0.3141.



This preview shows how white text looks on a background with the Yxy color 46.4879, 0.2790, 0.3141.

# 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

46.4879, 0.2790, 0.3141

### Protanopia

46.3613, 0.3026, 0.3110

### Deuteranopia

46.1679, 0.3056, 0.2990



## Tritanopia

46.3034, 0.2776, 0.3088

# Trichromacy



## Original Color

46.4879, 0.2790, 0.3141

## Protanomaly

46.4650, 0.2938, 0.3132

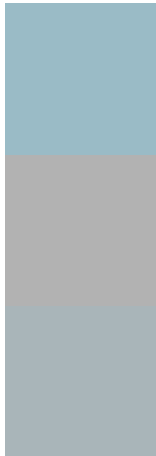
## Deuteranomaly

46.1131, 0.2956, 0.3045

## Tritanomaly

46.2565, 0.2783, 0.3101

# Monochromacy



## Original Color

46.4879, 0.2790, 0.3141

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.9855, 0.2996, 0.3236

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.4879, 0.2790, 0.3141 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(154, 187, 198)` looks like.

```
.text, #text, p{  
    color:rgb(154, 187, 198)  
}
```

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(154, 187, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 187, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 46.4879, 0.2790, 0.3141 is called "border". The border property can be set on classes, ids or directly on the HTML element.

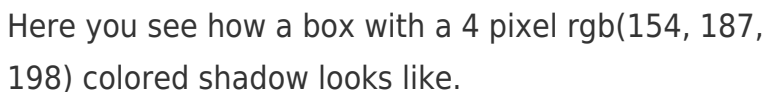
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(154, 187, 198) }
```

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

```
.border{ border-color:rgb(154, 187, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(154, 187, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 187, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 187, 198);  
box-shadow:4px 4px 4px 4px rgb(154, 187,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.4879, 0.2790, 0.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 187, 198) }
```

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

```
.background{ background-color: rgb(154,  
187, 198) }
```

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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