

# Converting Colors

$Y_{xy}(29.9395, 0.2798, 0.3123)$

Have a look what the booklet for  
Yxy(29.9395, 0.2798, 0.3123)  
contains.

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# Color

**Yxy(30.0160, 0.2804, 0.3128)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8099A3
RGB	128, 153, 163
RGB Percent	50%, 60%, 64%
CMY	0.4980, 0.4000, 0.3607
CMYK	0.21, 0.06, 0.00, 0.36
HSL	197°, 16%, 57%
HSV	197°, 21%, 64%
XYZ	26.9069, 30.0160, 39.0362
YIQ	146.6650, -18.1100, -2.1900

# Conversions

## Conversions Part 2

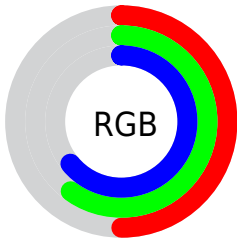
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 143, 163
Decimal	8427939
CIE <sub>Lab</sub>	61.67, -6.47, -8.17
CIE <sub>LCh</sub>	62, 10.421, 231.621
Yxy	30.0160, 0.2804, 0.3128
Android (android.graphics.Color)	4286618019 (0xFF8099A3)
YUV	146.6650, 8.0532, -16.3692
Hunter-Lab	54.7869, -8.2121, -3.8939

# Details

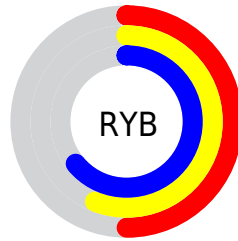
The Yxy color **30.0160, 0.2804, 0.3128** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.5354, 0.3517, 0.3446**, and the grayscale version is **29.0057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5114, 0.2866, 0.3157**, and **12.2701, 0.2699, 0.3077** is the 20% darker color. If you saturate the color by 10%, you get **27.3545, 0.2657, 0.3042**, and if you desaturate by 10%, it is **32.9428, 0.2954, 0.3208**.

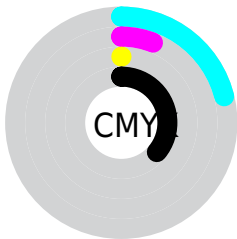
# Distribution



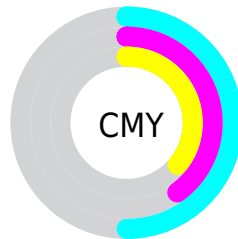
- Red (50%)
- Green (60%)
- Blue (64%)



- Red (50%)
- Yellow (56%)
- Blue (64%)



- Cyan (21%)
- Magenta (6%)
- Yellow (0%)
- Black (36%)



- Cyan (50%)
- Magenta (40%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0160, 0.2804, 0.3128 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 30.0160, 0.2804, 0.3128 by changing the saturation by 10% instead.



■ 30.0160, 0.2804,  
0.3128

■ 30.0160, 0.2804,  
0.3128

301.9790, 0.2976,  
0.3217

■ 19.8507, 0.2757,  
0.3103

■ 59.6875, 0.2869,  
0.3162

■ 12.2866, 0.2695,  
0.3069

■ 79.9625, 0.2893,  
0.3174

■ 6.9392, 0.2608,  
0.3021

■ 104.3762, 0.2912,  
0.3184

■ 3.4241, 0.2478,  
0.2946

133.3130, 0.2929,  
0.3193

■ 1.3569, 0.2263,  
0.2814

167.1573, 0.2943,  
0.3200

■ 0.1847, 0.0180,  
0.1895

206.2934, 0.2956,

■ 0.0000, 0.0000,

0.3206

0.0000

251.1059, 0.2966,  
0.3212

■ 30.0160, 0.2804,  
0.3128

■ 30.0160, 0.2804,  
0.3128

■ 27.3545, 0.2657,  
0.3042

■ 32.9428, 0.2954,  
0.3208

■ 24.9444, 0.2518,  
0.2949

■ 36.1410, 0.3105,  
0.3280

■ 22.7756, 0.2388,  
0.2850

■ 39.6209, 0.3254,  
0.3345

■ 20.8361, 0.2271,  
0.2748

■ 43.3913, 0.3400,  
0.3403

■ 19.1124, 0.2170,  
0.2642

■ 47.4603, 0.3541,  
0.3455

■ 17.5891, 0.2088,  
0.2536

■ 51.8358, 0.3677,  
0.3501

■ 16.2485, 0.2026,  
0.2430

■ 56.5255, 0.3806,  
0.3540

■ 15.2154, 0.1983,  
0.2340

■ 60.8801, 0.3899,  
0.3578

■ 62.9395, 0.3881,  
0.3626

# Harmonies

## Analogous

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



30.0160, 0.2848, 0.3273



30.0160, 0.2804, 0.3128



30.0160, 0.2843, 0.3032

# Triad

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



30.0160, 0.2804, 0.3128



30.0160, 0.3287, 0.3157



30.0160, 0.3294, 0.3588

# Complementary

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



30.0160, 0.2804, 0.3128



27.5354, 0.3517, 0.3446

# 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.



30.0160, 0.3417, 0.3547



30.0160, 0.2804, 0.3128



30.0160, 0.3414, 0.3297

# Square

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



30.0160, 0.2804, 0.3128



30.0160, 0.3119, 0.3052



30.0160, 0.3462, 0.3439



30.0160, 0.3128, 0.3545



# Rectangle

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



30.0160, 0.2804, 0.3128



30.0160, 0.2912, 0.3007



30.0160, 0.3462, 0.3439



30.0160, 0.3342, 0.3583

# Sweetspot

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



30.0172, 0.2804, 0.3128



61.9897, 0.3035, 0.3247



32.6257, 0.3017, 0.3702



13.8440, 0.3026, 0.3243



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290



# Same Dimension

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



30.0172, 0.2804, 0.3128



51.2976, 0.2730, 0.3086



24.7306, 0.2784, 0.2838



7.6669, 0.2987, 0.3224



11.9018, 0.1986, 0.2349



0.3244, 0.2092, 0.2730



# Inverse Universe

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



25.5304, 0.3260, 0.2912



41.9116, 0.3298, 0.2821



32.9363, 0.3465, 0.3705



7.1674, 0.3179, 0.3131



7.0456, 0.4075, 0.2019



0.1555, 0.3700, 0.1812



# Previews

## White Background



This preview shows how the Yxy color 30.0160, 0.2804, 0.3128 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0160, 0.2804, 0.3128 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

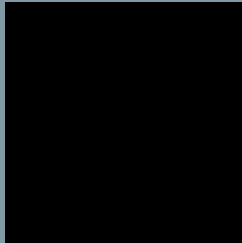
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

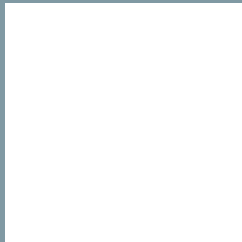
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 30.0160, 0.2804, 0.3128**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.0160, 0.2804, 0.3128.

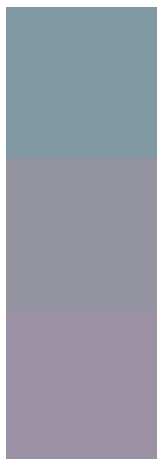


This preview shows how white text looks on a background with the Yxy color 30.0160, 0.2804, 0.3128.

# 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

30.0160, 0.2804, 0.3128

### Protanopia

30.0138, 0.3015, 0.3105

### Deuteranopia

30.0353, 0.3049, 0.2990



## Tritanopia

30.0883, 0.2788, 0.3097

# Trichromacy



## Original Color

30.0160, 0.2804, 0.3128

## Protanomaly

30.0486, 0.2938, 0.3117

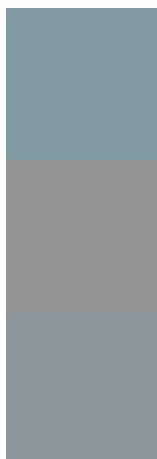
## Deuteranomaly

29.9711, 0.2959, 0.3043

## Tritanomaly

30.0520, 0.2796, 0.3113

# Monochromacy



## Original Color

30.0160, 0.2804, 0.3128

## Achromatopsia

29.1771, 0.3127, 0.3290

## Achromatomaly

29.3702, 0.3000, 0.3226

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.0160, 0.2804, 0.3128 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(128, 153, 163)` looks like.

```
.text, #text, p{  
    color:rgb(128, 153, 163)  
}
```

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(128, 153, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 153, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 30.0160, 0.2804, 0.3128 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(128, 153, 163) }
```

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

```
.border{ border-color:rgb(128, 153, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 153, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 153, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 153, 163);  
box-shadow:4px 4px 4px 4px rgb(128, 153,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.0160, 0.2804, 0.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 153, 163) }
```

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

```
.background{ background-color: rgb(128,  
153, 163) }
```

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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