

# Converting Colors

$Y_{xy}(41.1291, 0.2888, 0.3109)$

Have a look what the booklet for  
Yxy(41.1291, 0.2888, 0.3109)  
contains.

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# Color

**Yxy(41.1291, 0.2888, 0.3109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EAEBB
RGB	158, 174, 187
RGB Percent	62%, 68%, 73%
CMY	0.3805, 0.3176, 0.2665
CMYK	0.16, 0.07, 0.00, 0.27
HSL	207°, 18%, 68%
HSV	207°, 16%, 73%
XYZ	38.2055, 41.1291, 52.9559
YIQ	170.6980, -13.7090, 0.6510

# Conversions

## Conversions Part 2

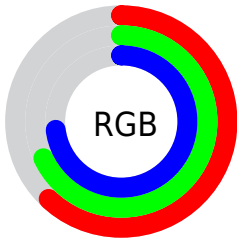
Format	Color
R <sub>Y</sub> B	158, 168, 187
Decimal	10399419
CIE Lab	70.27, -2.83, -8.55
CIE LCh	70, 9.005, 251.668
Yxy	41.1291, 0.2888, 0.3109
Android (android.graphics.Color)	4288589499 (0xFF9EAEBB)
YUV	170.6980, 8.0369, -11.1361
Hunter-Lab	64.1320, -5.8928, -4.0653

# Details

The Yxy color **41.1291, 0.2888, 0.3109** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.1638, 0.3388, 0.3465**, and the grayscale version is **40.5294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6558, 0.2935, 0.3140**, and **18.7045, 0.2813, 0.3058** is the 20% darker color. If you saturate the color by 10%, you get **36.2370, 0.2730, 0.2976**, and if you desaturate by 10%, it is **46.5155, 0.3043, 0.3229**.

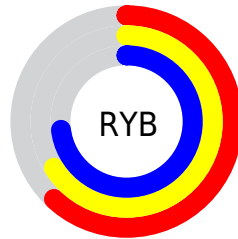
# Distribution



Red (62%)

Green (68%)

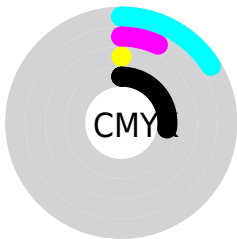
Blue (73%)



Red (62%)

Yellow (66%)

Blue (73%)

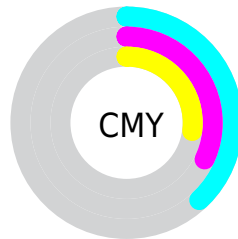


Cyan (16%)

Magenta (7%)

Yellow (0%)

Black (27%)



Cyan (38%)

Magenta (32%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1291, 0.2888, 0.3109 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 41.1291, 0.2888, 0.3109 by changing the saturation by 10% instead.




 41.1291, 0.2888,  
0.3109

 41.1291, 0.2888,  
0.3109

350.8599, 0.3009,  
0.3202

 28.4200, 0.2857,  
0.3085


 76.8798, 0.2933,  
0.3143

 18.6425, 0.2817,  
0.3054


 100.6902, 0.2949,  
0.3156

 11.4122, 0.2763,  
0.3012


128.9698, 0.2963,  
0.3167

 6.3448, 0.2687,  
0.2951

162.1031, 0.2975,  
0.3176

 3.0559, 0.2571,  
0.2858

200.4743, 0.2985,  
0.3184

 1.1610, 0.2374,  
0.2695

244.4679, 0.2994,

 0.0295, 0.0000,

0.3190

0.0447

294.4683, 0.3002,  
0.3197

0.0000, 0.0000,  
0.0000

41.1291, 0.2888,  
0.3109

41.1291, 0.2888,  
0.3109

36.2370, 0.2730,  
0.2976

46.5155, 0.3043,  
0.3229

31.8174, 0.2572,  
0.2832

52.4069, 0.3193,  
0.3337

27.8543, 0.2417,  
0.2676

58.8198, 0.3337,  
0.3432

24.3286, 0.2271,  
0.2511

65.7687, 0.3473,  
0.3517

21.2195, 0.2137,  
0.2339

73.2670, 0.3601,  
0.3591

■ 18.5039, 0.2020,  
0.2165

■ 78.3308, 0.3606,  
0.3671

■ 16.1557, 0.1923,  
0.1993

■ 82.9581, 0.3585,  
0.3752

■ 14.1433, 0.1849,  
0.1825

■ 87.8109, 0.3565,  
0.3832

■ 13.3259, 0.1820,  
0.1752

■ 92.8923, 0.3544,  
0.3909

# Harmonies

## Analogous

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



41.1291, 0.2879, 0.3200



41.1291, 0.2888, 0.3109



41.1291, 0.2960, 0.3069

# Triad

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



41.1291, 0.2888, 0.3109



41.1291, 0.3323, 0.3258



41.1291, 0.3173, 0.3505

# Complementary

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



41.1291, 0.2888, 0.3109



42.1638, 0.3388, 0.3465

# 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.



41.1291, 0.3294, 0.3517



41.1291, 0.2888, 0.3109



41.1291, 0.3382, 0.3372

# Square

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



41.1291, 0.2888, 0.3109



41.1291, 0.3210, 0.3155



41.1291, 0.3372, 0.3467



41.1291, 0.3042, 0.3431



# Rectangle

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



41.1291, 0.2888, 0.3109



41.1291, 0.3035, 0.3074



41.1291, 0.3372, 0.3467



41.1291, 0.3216, 0.3517

# Sweetspot

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



41.1308, 0.2888, 0.3109



83.7356, 0.3050, 0.3234



45.7448, 0.3014, 0.3519



18.2830, 0.3039, 0.3226



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



41.1308, 0.2888, 0.3109



70.2297, 0.2829, 0.3060



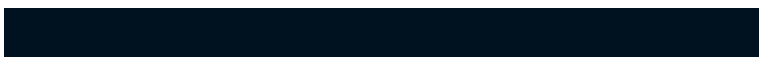
35.9685, 0.2880, 0.2908



10.0744, 0.2984, 0.3185



9.3243, 0.1826, 0.1772



0.4941, 0.1936, 0.2171



# Inverse Universe

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



38.0715, 0.3263, 0.3078



63.7551, 0.3302, 0.3024



47.7743, 0.3360, 0.3645



9.6221, 0.3204, 0.3164



7.9710, 0.4719, 0.2373

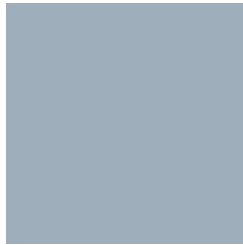


0.3252, 0.4264, 0.2122



# Previews

## White Background



This preview shows how the Yxy color 41.1291, 0.2888, 0.3109 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

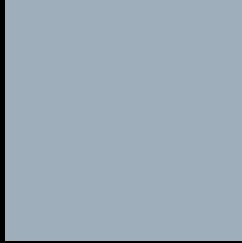
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.1291, 0.2888, 0.3109 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

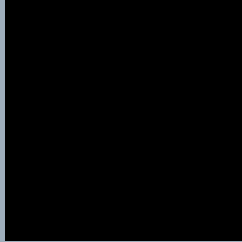
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

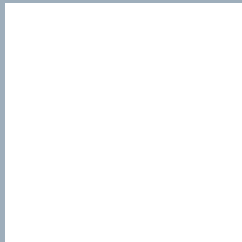
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.1291, 0.2888, 0.3109**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.1291, 0.2888, 0.3109.



This preview shows how white text looks on a background with the Yxy color 41.1291, 0.2888, 0.3109.

# 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

41.1291, 0.2888, 0.3109

### Protanopia

40.9102, 0.3013, 0.3087

### Deuteranopia

40.9716, 0.3068, 0.3013



## Tritanopia

41.1720, 0.2881, 0.3096

# Trichromacy



## Original Color

41.1291, 0.2888, 0.3109

## Protanomaly

40.7780, 0.2962, 0.3085

## Deuteranomaly

41.1509, 0.2997, 0.3048

## Tritanomaly

41.1720, 0.2881, 0.3096

# Monochromacy



## Original Color

41.1291, 0.2888, 0.3109

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

40.7864, 0.3033, 0.3221

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.1291, 0.2888, 0.3109 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(158, 174, 187)` looks like.

```
.text, #text, p{  
    color:rgb(158, 174, 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(158, 174, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 174, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 41.1291, 0.2888, 0.3109 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(158, 174, 187) }
```

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

```
.border{ border-color:rgb(158, 174, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 174, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 174, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 174, 187);  
box-shadow:4px 4px 4px 4px rgb(158, 174,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.1291, 0.2888, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 174, 187) }
```

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

```
.background{ background-color: rgb(158,  
174, 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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