

# Converting Colors

$Y_{xy}(29.9259, 0.3112, 0.3230)$

Have a look what the booklet for  
Yxy(29.9259, 0.3112, 0.3230)  
contains.

**Yxy(29.9308, 0.3110, 0.3228) ..... 3**

***Conversions*** ..... 4

***Details*** ..... 6

***Harmonies*** ..... 12

***Previews*** ..... 24

***Color Blindness Simulation*** ..... 27

***CSS Examples*** ..... 30

# Color

**Yxy(29.9308, 0.3110, 0.3228)**

# Conversions

Conversions Part 1	
Format	Color
Hex	969498
RGB	150, 148, 152
RGB Percent	59%, 58%, 60%
CMY	0.4117, 0.4196, 0.4040
CMYK	0.01, 0.03, 0.00, 0.40
HSL	270°, 2%, 59%
HSV	270°, 3%, 60%
XYZ	28.8367, 29.9308, 33.9550
YIQ	149.0540, -0.0920, 1.6680

# Conversions

## Conversions Part 2

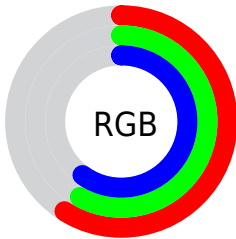
Format	Color
<a href="#">RYB</a>	<a href="#">150, 148, 152</a>
Decimal	<a href="#">9868440</a>
CIELab	<a href="#">61.59, 1.52, -1.84</a>
CIELCh	<a href="#">62, 2.386, 309.424</a>
Yxy	<a href="#">29.9308, 0.3110, 0.3228</a>
Android (android.graphics.Color)	<a href="#">4288058520</a> (0xFF969498)
YUV	<a href="#">149.0540, 1.4524, 0.8296</a>
Hunter-Lab	<a href="#">54.7090, -1.6550, 1.4982</a>

# Details

The Yxy color  $29.9308, 0.3110, 0.3228$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $31.0689, 0.3144, 0.3352$ , and the grayscale version is  $30.0739, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $59.5347, 0.3114, 0.3243$ , and  $12.1416, 0.3102, 0.3200$  is the 20% darker color. If you saturate the color by 10%, you get  $24.7859, 0.3037, 0.2979$ , and if you desaturate by 10%, it is  $35.7496, 0.3172, 0.3457$ .

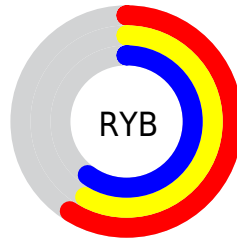
# Distribution



Red (59%)

Green (58%)

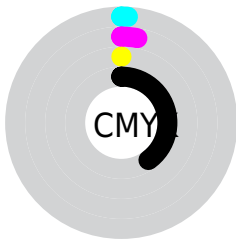
Blue (60%)



Red (59%)

Yellow (58%)

Blue (60%)

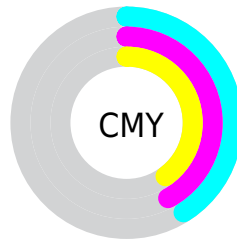


Cyan (1%)

Magenta (3%)

Yellow (0%)

Black (40%)



Cyan (41%)


Magenta (42%)


Yellow (40%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9308, 0.3110, 0.3228 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 29.9308, 0.3110, 0.3228 by changing the saturation by 10% instead.

 29.9308, 0.3110,  
0.3228


 29.9308, 0.3110,  
0.3228


301.5818, 0.3119,  
0.3261

 19.7861, 0.3107,  
0.3219

 59.5527, 0.3114,  
0.3241

 12.2396, 0.3104,  
0.3207


 79.7987, 0.3115,  
0.3245

 6.9071, 0.3099,  
0.3189


104.1806, 0.3116,  
0.3249

 3.4041, 0.3091,  
0.3163

133.0827, 0.3117,  
0.3252

 1.3461, 0.3078,  
0.3118

166.8895, 0.3118,  
0.3255

 0.1765, 0.2915,  
0.2513


205.9853, 0.3118,


 0.0000, 0.0000,


0.3257

0.0000


250.7546, 0.3119,  
0.3259


 29.9308, 0.3110,  
0.3228


 29.9308, 0.3110,  
0.3228

 24.7859, 0.3037,  
0.2979


 35.7496, 0.3172,  
0.3457


 20.2861, 0.2953,  
0.2711


 42.2621, 0.3223,  
0.3664


 16.4059, 0.2857,  
0.2429

 49.4921, 0.3267,  
0.3851

 13.1169, 0.2749,  
0.2139

 57.4613, 0.3303,  
0.4019

 10.3882, 0.2630,  
0.1853

 66.1900, 0.3332,  
0.4168

■ 8.1861, 0.2505,  
0.1582

■ 75.6982, 0.3357,  
0.4302

■ 6.4732, 0.2377,  
0.1340

■ 86.0047, 0.3377,  
0.4421

■ 5.2068, 0.2252,  
0.1141

■ 87.4668, 0.3425,  
0.4408

■ 4.3366, 0.2135,  
0.0992

■ 88.5894, 0.3475,  
0.4389

# Harmonies

## Analogous

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



29.9308, 0.3076, 0.3225



29.9308, 0.3110, 0.3228



29.9308, 0.3149, 0.3248

# Triad

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



29.9308, 0.3110, 0.3228



29.9308, 0.3200, 0.3341



29.9308, 0.3072, 0.3301

# Complementary

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



29.9308, 0.3110, 0.3228



31.0689, 0.3144, 0.3352

# 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.



29.9308, 0.3105, 0.3333



29.9308, 0.3110, 0.3228



29.9308, 0.3179, 0.3356

# Square

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



29.9308, 0.3110, 0.3228



29.9308, 0.3201, 0.3313



29.9308, 0.3144, 0.3353



29.9308, 0.3054, 0.3267

# Rectangle

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



29.9308, 0.3110, 0.3228



29.9308, 0.3173, 0.3268



29.9308, 0.3144, 0.3353



29.9308, 0.3082, 0.3313

# Sweetspot

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



29.9321, 0.3110, 0.3228



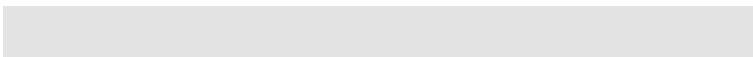
54.4106, 0.3121, 0.3266



30.3719, 0.3088, 0.3259



12.3808, 0.3121, 0.3268



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290



# Same Dimension

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



29.9321, 0.3110, 0.3228



52.4246, 0.3107, 0.3218



30.1196, 0.3130, 0.3228



6.8475, 0.3103, 0.3202



3.2492, 0.2060, 0.0909



0.0702, 0.2534, 0.1170



# Inverse Universe

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



30.0539, 0.3149, 0.3260



52.6753, 0.3153, 0.3255



30.8845, 0.3124, 0.3352



6.8874, 0.3159, 0.3247



6.0271, 0.4946, 0.2498



0.0974, 0.4075, 0.2018



# Previews

## White Background



This preview shows how the Yxy color 29.9308, 0.3110, 0.3228 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 29.9308, 0.3110, 0.3228 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

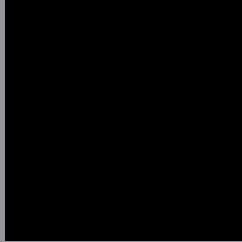
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

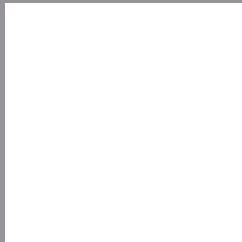
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 29.9308, 0.3110, 0.3228**

## Background



This preview shows how black text looks on a background with the Yxy color 29.9308, 0.3110, 0.3228.



This preview shows how white text looks on a background with the Yxy color 29.9308, 0.3110, 0.3228.

# 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

29.9308, 0.3110, 0.3228

### Protanopia

29.9308, 0.3110, 0.3228

### Deuteranopia

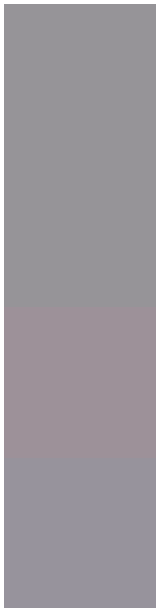
29.8235, 0.3218, 0.3155



## Tritanopia

29.9499, 0.3054, 0.3106

# Trichromacy



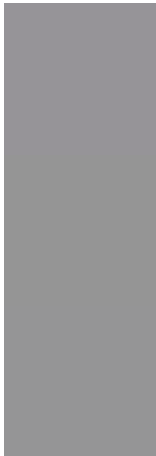
**Original Color**  
29.9308, 0.3110, 0.3228

**Protanomaly**  
29.9308, 0.3110, 0.3228

**Deuteranomaly**  
29.7188, 0.3175, 0.3168

**Tritanomaly**  
29.8470, 0.3082, 0.3151

# Monochromacy



**Original Color**  
29.9308, 0.3110, 0.3228

**Achromatopsia**  
30.0544, 0.3127, 0.3290

**Achromatomaly**  
30.0865, 0.3118, 0.3274

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.9308, 0.3110, 0.3228 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(150, 148, 152) looks like.

```
.text, #text, p{  
    color:rgb(150, 148, 152)  
}
```

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(150, 148, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 148, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 29.9308, 0.3110, 0.3228 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(150, 148, 152) }
```

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

```
.border{ border-color:rgb(150, 148, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 148, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 148, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 148, 152);  
box-shadow:4px 4px 4px 4px rgb(150, 148,  
152) }
```

# Background

The CSS property to change the background color of an element to Yxy 29.9308, 0.3110, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 148, 152) }
```

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

```
.background{ background-color: rgb(150,  
148, 152) }
```

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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