

# Converting Colors

$Y_{xy}(30.6205, 0.3199, 0.3227)$

Have a look what the booklet for  
Yxy(30.6205, 0.3199, 0.3227)  
contains.

<b>Yxy(30.7159, 0.3192, 0.3230)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(30.7159, 0.3192, 0.3230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9E9498
RGB	158, 148, 152
RGB Percent	62%, 58%, 60%
CMY	0.3804, 0.4196, 0.4040
CMYK	0.00, 0.06, 0.04, 0.38
HSL	336°, 5%, 60%
HSV	336°, 6%, 62%
XYZ	30.3545, 30.7159, 34.0252
YIQ	151.4460, 4.6760, 3.3640

# Conversions

## Conversions Part 2

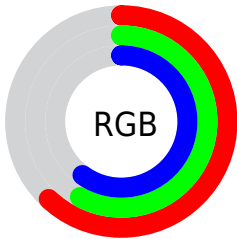
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	158, 148, 152
Decimal	10392728
CIE Lab	62.27, 4.41, -0.78
CIE LCh	62, 4.478, 350.012
Yxy	30.7159, 0.3192, 0.3230
Android (android.graphics.Color)	4288582808 (0xFF9E9498)
YUV	151.4460, 0.2731, 5.7479
Hunter-Lab	55.4219, 0.7759, 2.3954

# Details

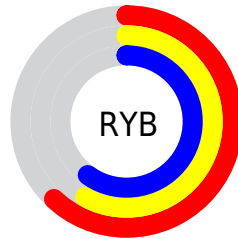
The Yxy color **30.7159, 0.3192, 0.3230** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.0800, 0.3067, 0.3351**, and the grayscale version is **31.1453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8434, 0.3183, 0.3244**, and **12.6148, 0.3222, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **25.7948, 0.3312, 0.3130**, and if you desaturate by 10%, it is **36.3412, 0.3093, 0.3324**.

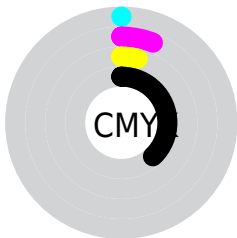
# Distribution



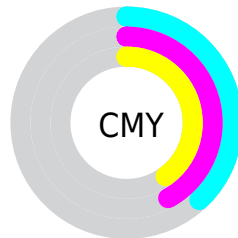
- Red (62%)
- Green (58%)
- Blue (60%)



- Red (62%)
- Yellow (58%)
- Blue (60%)



- Cyan (0%)
- Magenta (6%)
- Yellow (4%)
- Black (38%)




- Cyan (38%)
- Magenta (42%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7159, 0.3192, 0.3230 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 30.7159, 0.3192, 0.3230 by changing the saturation by 10% instead.





 30.7159, 0.3192,  
0.3230


 30.7159, 0.3192,  
0.3230


305.2273, 0.3157,  
0.3262

 20.3826, 0.3201,  
0.3221


 60.7925, 0.3179,  
0.3242

 12.6735, 0.3214,  
0.3210

 81.3046, 0.3174,  
0.3247

 7.2041, 0.3232,  
0.3193


105.9784, 0.3170,  
0.3250

 3.5901, 0.3259,  
0.3168

135.1984, 0.3167,  
0.3253

 1.4470, 0.3305,  
0.3126

169.3489, 0.3164,  
0.3256

 0.2510, 0.3744,  
0.2714


208.8143, 0.3161,


 0.0000, 0.0000,

0.3258

0.0000


253.9789, 0.3159,  
0.3260


 30.7159, 0.3192,  
0.3230


 30.7159, 0.3192,  
0.3230

 25.7948, 0.3312,  
0.3130


 36.3412, 0.3093,  
0.3324

 21.5461, 0.3458,  
0.3026


 42.6928, 0.3011,  
0.3411


 17.9415, 0.3633,  
0.2921

 49.7972, 0.2944,  
0.3491

 14.9489, 0.3841,  
0.2819

 57.6778, 0.2888,  
0.3564

 12.5339, 0.4083,  
0.2730

 66.3575, 0.2842,  
0.3631

■ 10.6582, 0.4356,  
0.2662

■ 75.8578, 0.2804,  
0.3693

■ 9.2791, 0.4653,  
0.2628

■ 83.8802, 0.2768,  
0.3710

■ 8.3472, 0.4958,  
0.2640

■ 84.3945, 0.2722,  
0.3596

■ 7.7917, 0.5251,  
0.2700

■ 84.9379, 0.2677,  
0.3485

# Harmonies

## Analogous

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



30.7159, 0.3121, 0.3185



30.7159, 0.3192, 0.3230



30.7159, 0.3246, 0.3291

# Triad

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



30.7159, 0.3192, 0.3230



30.7159, 0.3202, 0.3416



30.7159, 0.2988, 0.3225

# Complementary

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



30.7159, 0.3192, 0.3230



33.0800, 0.3067, 0.3351

# 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.



30.7159, 0.3009, 0.3288



30.7159, 0.3192, 0.3230



30.7159, 0.3133, 0.3399

# Square

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



30.7159, 0.3192, 0.3230



30.7159, 0.3252, 0.3398



30.7159, 0.3062, 0.3351



30.7159, 0.3003, 0.3182



# Rectangle

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



30.7159, 0.3192, 0.3230



30.7159, 0.3265, 0.3333



30.7159, 0.3062, 0.3351



30.7159, 0.2991, 0.3245

# Sweetspot

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



30.7172, 0.3192, 0.3230



60.0013, 0.3147, 0.3271



30.5210, 0.3094, 0.3138



13.5544, 0.3146, 0.3272



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290



# Same Dimension

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



30.7172, 0.3192, 0.3230



54.0517, 0.3212, 0.3212



30.9038, 0.3229, 0.3306



6.6877, 0.3225, 0.3201



6.1152, 0.5337, 0.2714



0.1174, 0.4375, 0.2184



# Inverse Universe

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



30.7172, 0.3192, 0.3230



54.0517, 0.3212, 0.3212



32.8755, 0.3032, 0.3274



6.6877, 0.3225, 0.3201



6.1152, 0.5337, 0.2714



0.1174, 0.4375, 0.2184



# Previews

## White Background



This preview shows how the Yxy color 30.7159, 0.3192, 0.3230 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 30.7159, 0.3192, 0.3230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

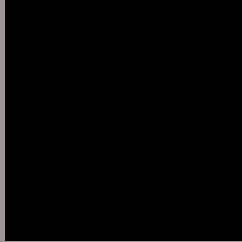
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.7159, 0.3192, 0.3230**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.7159, 0.3192, 0.3230.



This preview shows how white text looks on a background with the Yxy color 30.7159, 0.3192, 0.3230.

# 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

30.7159, 0.3192, 0.3230

### Protanopia

30.7880, 0.3119, 0.3244

### Deuteranopia

30.7173, 0.3257, 0.3201



## Tritanopia

30.7416, 0.3136, 0.3110

# Trichromacy



## Original Color

30.7159, 0.3192, 0.3230

## Protanomaly

30.6648, 0.3140, 0.3229

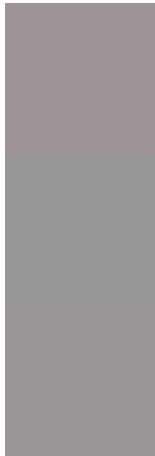
## Deuteranomaly

30.8158, 0.3235, 0.3215

## Tritanomaly

30.6387, 0.3164, 0.3155

# Monochromacy



## Original Color

30.7159, 0.3192, 0.3230

## Achromatopsia

30.9469, 0.3127, 0.3290

## Achromatomaly

30.9171, 0.3158, 0.3275

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.7159, 0.3192, 0.3230 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, 148, 152)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 148, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 148, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 30.7159, 0.3192, 0.3230 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, 148, 152) }
```

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

```
.border{ border-color:rgb(158, 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(158, 148, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 148, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 148, 152);  
box-shadow:4px 4px 4px 4px rgb(158, 148,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.7159, 0.3192, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 148, 152) }
```

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

```
.background{ background-color: rgb(158,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor