

# Converting Colors

$Y_{xy}(36.2048, 0.2817, 0.2817)$

Have a look what the booklet for  
Yxy(36.2048, 0.2817, 0.2817)  
contains.

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# Color

**Yxy(36.2048, 0.2817, 0.2817)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DA0C2
RGB	157, 160, 194
RGB Percent	62%, 63%, 76%
CMY	0.3845, 0.3725, 0.2393
CMYK	0.19, 0.18, 0.00, 0.24
HSL	235°, 23%, 69%
HSV	235°, 19%, 76%
XYZ	36.2048, 36.2048, 56.1129
YIQ	162.9790, -12.7020, 9.9380

# Conversions

## Conversions Part 2

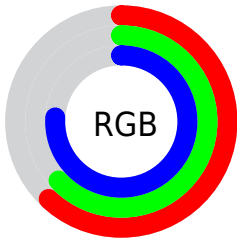
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	157, 160, 194
Decimal	10330306
CIE <sub>Lab</sub>	66.68, 6.09, -17.80
CIE <sub>LCh</sub>	67, 18.815, 288.872
Y <sub>xy</sub>	36.2048, 0.2817, 0.2817
Android (android.graphics.Color)	4288520386 (0xFF9DA0C2)
YUV	162.9790, 15.2934, -5.2436
Hunter-Lab	60.1704, 2.1060, -13.1726

# Details

The Yxy color **36.2048, 0.2817, 0.2817** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.1285, 0.3418, 0.3723**, and the grayscale version is **36.5439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5630, 0.2875, 0.2905**, and **15.8340, 0.2722, 0.2689** is the 20% darker color. If you saturate the color by 10%, you get **28.6736, 0.2630, 0.2526**, and if you desaturate by 10%, it is **44.9316, 0.2988, 0.3079**.

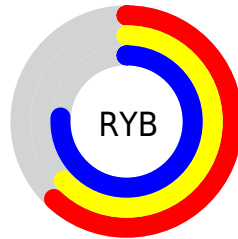
# Distribution



Red (62%)

Green (63%)

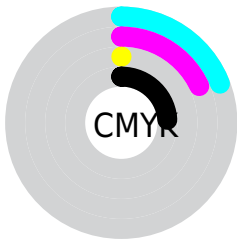
Blue (76%)



Red (62%)

Yellow (63%)

Blue (76%)

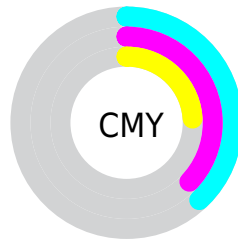


Cyan (19%)

Magenta (18%)

Yellow (0%)

Black (24%)



Cyan (38%)

Magenta (37%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2048, 0.2817, 0.2817 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 36.2048, 0.2817, 0.2817 by changing the saturation by 10% instead.





 36.2048, 0.2817,  
0.2817

 36.2048, 0.2817,  
0.2817


329.8548, 0.2978,  
0.3058

 24.5924, 0.2775,  
0.2756


 69.3481, 0.2877,  
0.2906

 15.7736, 0.2719,  
0.2676


 91.6477, 0.2899,  
0.2938

 9.3641, 0.2644,  
0.2569


118.2786, 0.2918,  
0.2966

 4.9794, 0.2535,  
0.2419

149.6250, 0.2934,  
0.2990

 2.2352, 0.2366,  
0.2193

186.0715, 0.2947,  
0.3010

 0.7391, 0.2077,  
0.1804

228.0023, 0.2959,

 0.0000, 0.0000,

0.3028

0.0000

275.8020, 0.2969,  
0.3044

■ 36.2048, 0.2817,  
0.2817

■ 36.2048, 0.2817,  
0.2817

■ 28.6736, 0.2630,  
0.2526

■ 44.9316, 0.2988,  
0.3079

■ 22.2817, 0.2429,  
0.2210

■ 54.8982, 0.3140,  
0.3310

■ 16.9747, 0.2223,  
0.1880

■ 66.1521, 0.3275,  
0.3511

■ 12.6922, 0.2022,  
0.1551

■ 78.7370, 0.3393,  
0.3686

■ 9.3680, 0.1839,  
0.1244

■ 92.6944, 0.3495,  
0.3836

■ 6.9276, 0.1688,  
0.0981

■ 96.6746, 0.3490,  
0.3890

■ 5.2860, 0.1581,  
0.0784

■ 4.3284, 0.1519,  
0.0659

■ 4.2673, 0.1514,  
0.0651

# Harmonies

## Analogous

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



36.2048, 0.2640, 0.2865



36.2048, 0.2817, 0.2817



36.2048, 0.3082, 0.2885

# Triad

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



36.2048, 0.2817, 0.2817



36.2048, 0.3697, 0.3511



36.2048, 0.2875, 0.3549

# Complementary

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



36.2048, 0.2817, 0.2817



51.1285, 0.3418, 0.3723

# 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.



36.2048, 0.3151, 0.3744



36.2048, 0.2817, 0.2817



36.2048, 0.3632, 0.3706

# Square

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



36.2048, 0.2817, 0.2817



36.2048, 0.3601, 0.3273



36.2048, 0.3429, 0.3799



36.2048, 0.2673, 0.3279



# Rectangle

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



36.2048, 0.2817, 0.2817



36.2048, 0.3278, 0.2985



36.2048, 0.3429, 0.3799



36.2048, 0.2962, 0.3626

# Sweetspot

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



36.2063, 0.2817, 0.2817



86.5880, 0.3035, 0.3151



49.5000, 0.2865, 0.3331



18.7059, 0.3025, 0.3135



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.



36.2063, 0.2817, 0.2817



59.5147, 0.2739, 0.2696



36.8063, 0.2951, 0.2793



9.8791, 0.2983, 0.3072



2.8567, 0.1517, 0.0662



0.1703, 0.1577, 0.0876



# Inverse Universe

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



38.1043, 0.3467, 0.3251



63.6681, 0.3564, 0.3241



50.5432, 0.3280, 0.3780



10.0911, 0.3276, 0.3271



7.5706, 0.6296, 0.3242

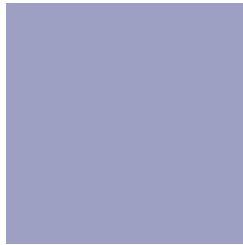


0.3318, 0.5949, 0.3051



# Previews

## White Background



This preview shows how the Yxy color 36.2048, 0.2817, 0.2817 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

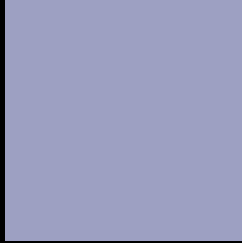
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.2048, 0.2817, 0.2817 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

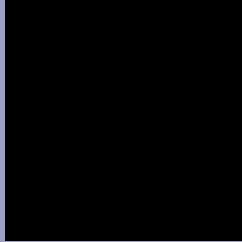
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

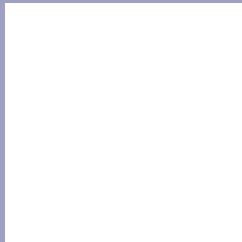
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 36.2048, 0.2817, 0.2817**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.2048, 0.2817, 0.2817.



This preview shows how white text looks on a background with the Yxy color 36.2048, 0.2817, 0.2817.

# 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

36.2048, 0.2817, 0.2817

### Protanopia

36.3533, 0.2801, 0.2829

### Deuteranopia

36.0301, 0.2859, 0.2794



## Tritanopia

36.1990, 0.2935, 0.3101

# Trichromacy



## Original Color

36.2048, 0.2817, 0.2817

## Protanomaly

36.4527, 0.2810, 0.2830

## Deuteranomaly

36.1649, 0.2842, 0.2806

## Tritanomaly

36.2281, 0.2887, 0.2990

# Monochromacy



## Original Color

36.2048, 0.2817, 0.2817

## Achromatopsia

36.6253, 0.3127, 0.3290

## Achromatomaly

36.4737, 0.3015, 0.3119

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.2048, 0.2817, 0.2817 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(157, 160, 194)` looks like.

```
.text, #text, p{  
    color:rgb(157, 160, 194)  
}
```

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(157, 160, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 160, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 36.2048, 0.2817, 0.2817 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(157, 160, 194) }
```

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

```
.border{ border-color:rgb(157, 160, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 160, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 160, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 160, 194);  
box-shadow:4px 4px 4px 4px rgb(157, 160,  
194) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 36.2048, 0.2817, 0.2817$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 160, 194) }
```

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

```
.background{ background-color: rgb(157,  
160, 194) }
```

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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