

# Converting Colors

$Yxy(60.2982, 0.3099, 0.3237)$

Have a look what the booklet for  
Yxy(60.2982, 0.3099, 0.3237)  
contains.

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# Color

**Yxy(60.1033, 0.3099, 0.3232)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCCBD0
RGB	204, 203, 208
RGB Percent	80%, 80%, 82%
CMY	0.2002, 0.2038, 0.1844
CMYK	0.02, 0.02, 0.00, 0.18
HSL	251°, 5%, 81%
HSV	251°, 2%, 82%
XYZ	57.6300, 60.1033, 68.2299
YIQ	203.8690, -1.0090, 1.7670

# Conversions

## Conversions Part 2

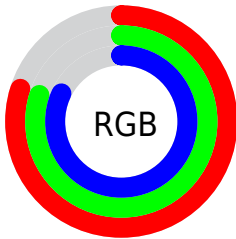
Format	Color
<b>RYB</b>	204, 203, 208
Decimal	13421520
CIELab	81.89, 1.24, -2.36
CIELCh	82, 2.667, 297.616
Yxy	60.1033, 0.3099, 0.3232
Android (android.graphics.Color)	4291611600 (0xFFCCCB0)
YUV	203.8690, 2.0366, 0.1149
Hunter-Lab	77.5263, -2.9812, 2.0881

# Details

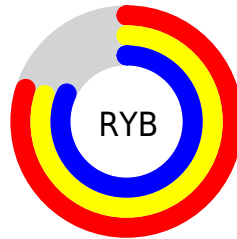
The Yxy color **60.1033, 0.3099, 0.3232** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.6943, 0.3155, 0.3348**, and the grayscale version is **60.2802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **30.3120, 0.3090, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **48.6664, 0.2970, 0.2971**, and if you desaturate by 10%, it is **73.1236, 0.3210, 0.3464**.

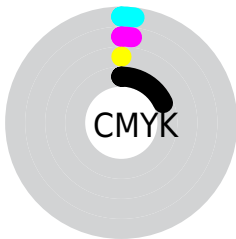
# Distribution



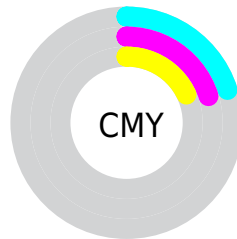
- Red (80%)
- Green (80%)
- Blue (82%)



- Red (80%)
- Yellow (80%)
- Blue (82%)



- Cyan (2%)
- Magenta (2%)
- Yellow (0%)
- Black (18%)



- Cyan (20%)
- Magenta (20%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1033, 0.3099, 0.3232 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 60.1033, 0.3099, 0.3232 by changing the saturation by 10% instead.



■ 60.1033, 0.3099,  
0.3232

■ 60.1033, 0.3099,  
0.3232

424.9784, 0.3113,  
0.3260

■ 43.5019, 0.3096,  
0.3225

104.9795, 0.3104,  
0.3242

■ 30.2791, 0.3092,  
0.3217

134.0231, 0.3106,  
0.3246

■ 20.0505, 0.3086,  
0.3206

167.9829, 0.3107,  
0.3249

■ 12.4318, 0.3079,  
0.3192

207.2432, 0.3109,  
0.3252

■ 7.0385, 0.3069,  
0.3172

252.1886, 0.3110,  
0.3254

■ 3.4862, 0.3054,  
0.3141

303.2033, 0.3111,

■ 1.3905, 0.3027,

0.3256

0.3089

360.6718, 0.3112,  
0.3258

0.2097, 0.2756,  
0.2518

0.0000, 0.0000,  
0.0000

60.1033, 0.3099,  
0.3232

60.1033, 0.3099,  
0.3232

48.6664, 0.2970,  
0.2971

73.1236, 0.3210,  
0.3464

38.7449, 0.2822,  
0.2681

87.7768, 0.3306,  
0.3667

30.2771, 0.2657,  
0.2365

97.2901, 0.3404,  
0.3751

23.1940, 0.2477,  
0.2033

97.3335, 0.3406,  
0.3751

■ 17.4211, 0.2287,  
0.1696

■ 12.8768, 0.2097,  
0.1375

■ 9.4702, 0.1919,  
0.1092

■ 7.0975, 0.1766,  
0.0867

■ 5.6351, 0.1647,  
0.0716

# Harmonies

## Analogous

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



60.1033, 0.3073, 0.3235



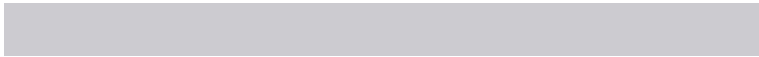
60.1033, 0.3099, 0.3232



60.1033, 0.3133, 0.3244

# Triad

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



60.1033, 0.3099, 0.3232



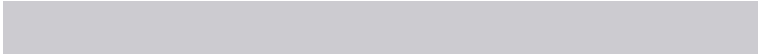
60.1033, 0.3194, 0.3327



60.1033, 0.3089, 0.3312

# Complementary

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



60.1033, 0.3099, 0.3232



62.6943, 0.3155, 0.3348

# 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.



60.1033, 0.3121, 0.3337



60.1033, 0.3099, 0.3232



60.1033, 0.3182, 0.3345

# Square

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



60.1033, 0.3099, 0.3232



60.1033, 0.3188, 0.3299



60.1033, 0.3155, 0.3349

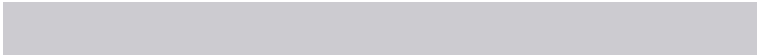


60.1033, 0.3067, 0.3281



# Rectangle

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



60.1033, 0.3099, 0.3232



60.1033, 0.3156, 0.3259



60.1033, 0.3155, 0.3349



60.1033, 0.3099, 0.3321

# Sweetspot

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



60.1059, 0.3099, 0.3232



97.9920, 0.3115, 0.3266



61.9169, 0.3090, 0.3279



20.9955, 0.3116, 0.3267



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.



60.1059, 0.3099, 0.3232



94.0530, 0.3091, 0.3216



60.4579, 0.3118, 0.3232



12.9708, 0.3082, 0.3198



3.1329, 0.1591, 0.0650



0.2075, 0.1760, 0.0743



# Inverse Universe

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



60.6395, 0.3136, 0.3243



95.1248, 0.3139, 0.3230



62.3408, 0.3136, 0.3348



13.1561, 0.3142, 0.3216



10.1666, 0.3738, 0.1833

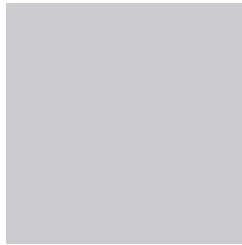


0.5784, 0.3624, 0.1770



# Previews

## White Background



This preview shows how the Yxy color 60.1033, 0.3099, 0.3232 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

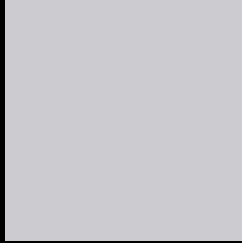
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.1033, 0.3099, 0.3232 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

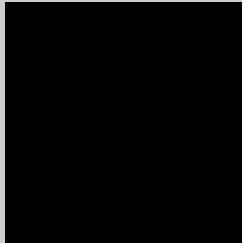
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

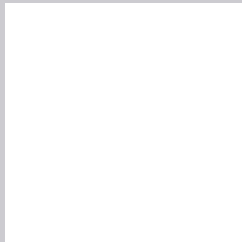
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.1033, 0.3099, 0.3232**

## Background



This preview shows how black text looks on a background with the Yxy color 60.1033, 0.3099, 0.3232.

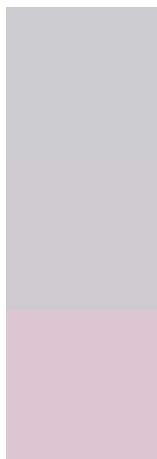


This preview shows how white text looks on a background with the Yxy color 60.1033, 0.3099, 0.3232.

# 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

60.1033, 0.3099, 0.3232

### Protanopia

59.9169, 0.3115, 0.3220

### Deuteranopia

59.9081, 0.3228, 0.3155



## Tritanopia

60.2299, 0.3044, 0.3117

# Trichromacy



## Original Color

60.1033, 0.3099, 0.3232

## Protanomaly

59.7743, 0.3107, 0.3220

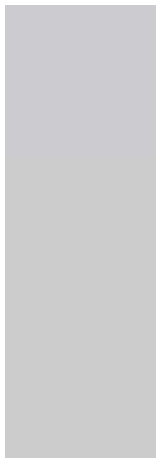
## Deuteranomaly

59.8974, 0.3179, 0.3176

## Tritanomaly

60.0752, 0.3065, 0.3151

# Monochromacy



## Original Color

60.1033, 0.3099, 0.3232

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

60.4309, 0.3120, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.1033, 0.3099, 0.3232 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(204, 203, 208) looks like.

```
.text, #text, p{  
    color:rgb(204, 203, 208)  
}
```

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(204, 203, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 203, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 60.1033, 0.3099, 0.3232 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(204, 203, 208) }
```

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

```
.border{ border-color:rgb(204, 203, 208) }
```

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

Here you see how a box with a 4 pixel rgb(204, 203, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 203, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 203, 208);  
box-shadow:4px 4px 4px 4px rgb(204, 203,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.1033, 0.3099, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 203, 208) }
```

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

```
.background{ background-color: rgb(204,  
203, 208) }
```

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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