

# Converting Colors

Yxy(60.6287, 0.3126, 0.3310)

Have a look what the booklet for  
Yxy(60.6287, 0.3126, 0.3310)  
contains.

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# Color

**Yxy(60.6710, 0.3126, 0.3313)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CBCDCB
RGB	203, 205, 203
RGB Percent	80%, 80%, 80%
CMY	0.2038, 0.1961, 0.2038
CMYK	0.01, 0.00, 0.01, 0.20
HSL	120°, 2%, 80%
HSV	120°, 1%, 80%
XYZ	57.2465, 60.6710, 65.2126
YIQ	204.1740, -0.5500, -1.0460

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	203, 205, 205
Decimal	13356491
CIE Lab	82.20, -1.03, 0.73
CIE LCh	82, 1.260, 144.741
Yxy	60.6710, 0.3126, 0.3313
Android (android.graphics.Color)	4291546571 (0xFFCBCDCB)
YUV	204.1740, -0.5788, -1.0296
Hunter-Lab	77.8916, -5.1216, 4.8852

# Details

The Yxy color **60.6710, 0.3126, 0.3313** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.1077, 0.3128, 0.3267**, and the grayscale version is **60.5075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **30.6927, 0.3126, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **57.0736, 0.3113, 0.3571**, and if you desaturate by 10%, it is **64.7821, 0.3137, 0.3089**.

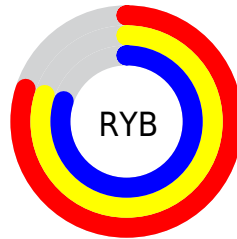
# Distribution



Red (80%)

Green (80%)

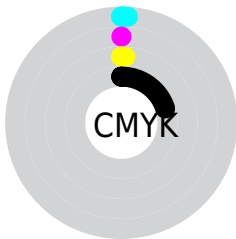
Blue (80%)



Red (80%)

Yellow (80%)

Blue (80%)

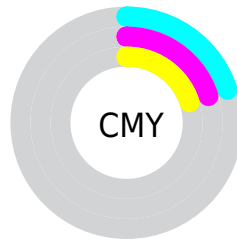


Cyan (1%)

Magenta (0%)

Yellow (1%)

Black (20%)



Cyan (20%)

Magenta (20%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.6710, 0.3126, 0.3313 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 60.6710, 0.3126, 0.3313 by changing the saturation by 10% instead.



■ 60.6710, 0.3126,  
0.3313

■ 60.6710, 0.3126,  
0.3313

427.0667, 0.3127,  
0.3302

■ 43.9597, 0.3126,  
0.3316

105.8024, 0.3126,  
0.3309

■ 30.6388, 0.3126,  
0.3319

134.9913, 0.3126,  
0.3308

■ 20.3240, 0.3125,  
0.3323

169.1083, 0.3126,  
0.3306

■ 12.6308, 0.3125,  
0.3329

208.5376, 0.3126,  
0.3305

■ 7.1748, 0.3125,  
0.3337

253.6637, 0.3126,  
0.3304

■ 3.5717, 0.3124,  
0.3349

304.8710, 0.3127,

■ 1.4370, 0.3123,

0.3304

362.5438, 0.3127,  
0.3303

0.3370

0.2437, 0.3107,  
0.3666

0.0000, 0.0000,  
0.0000

60.6710, 0.3126,  
0.3313

60.6710, 0.3126,  
0.3313

57.0736, 0.3113,  
0.3571

64.7821, 0.3137,  
0.3089

53.9622, 0.3099,  
0.3863

69.4176, 0.3147,  
0.2896

51.3184, 0.3083,  
0.4188

72.1407, 0.3150,  
0.2801

49.1196, 0.3066,  
0.4536

■ 47.3414, 0.3049,  
0.4893

■ 45.9569, 0.3032,  
0.5236

■ 44.9362, 0.3019,  
0.5539

■ 44.2452, 0.3008,  
0.5775

■ 43.8433, 0.3002,  
0.5926

# Harmonies

## Analogous

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



60.6710, 0.3142, 0.3318



60.6710, 0.3126, 0.3313



60.6710, 0.3110, 0.3302

# Triad

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



60.6710, 0.3126, 0.3313



60.6710, 0.3101, 0.3265



60.6710, 0.3155, 0.3293

# Complementary

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



60.6710, 0.3126, 0.3313



60.1077, 0.3128, 0.3267

# 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.



60.6710, 0.3144, 0.3279



60.6710, 0.3126, 0.3313



60.6710, 0.3113, 0.3263

# Square

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



60.6710, 0.3126, 0.3313



60.6710, 0.3096, 0.3274



60.6710, 0.3128, 0.3268



60.6710, 0.3159, 0.3306



# Rectangle

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



60.6710, 0.3126, 0.3313



60.6710, 0.3102, 0.3292



60.6710, 0.3128, 0.3268



60.6710, 0.3152, 0.3288

# Sweetspot

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



60.6736, 0.3126, 0.3313

100.0000, 0.3127, 0.3290



60.9521, 0.3141, 0.3313



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

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



60.6736, 0.3126, 0.3313



99.3573, 0.3126, 0.3314



60.7203, 0.3119, 0.3302



13.2076, 0.3126, 0.3312



27.1836, 0.2999, 0.5996



1.4027, 0.2995, 0.5983



# Inverse Universe

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



60.1077, 0.3128, 0.3267



98.3829, 0.3128, 0.3266



60.0607, 0.3135, 0.3279



13.0875, 0.3128, 0.3268



10.7912, 0.3223, 0.1549

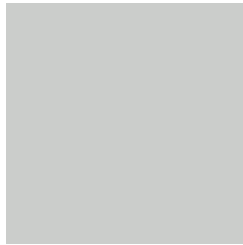


0.5571, 0.3220, 0.1547



# Previews

## White Background



This preview shows how the Yxy color 60.6710, 0.3126, 0.3313 looks on a white background.

## Color Contrast Check

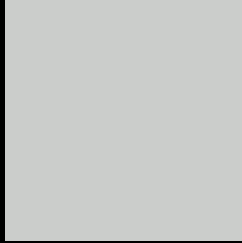
Large Text (above 18pt) WCAG AA × Fail

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 60.6710, 0.3126, 0.3313 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

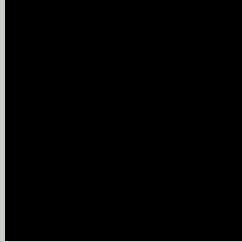
Any Text WCAG AAA ✓ Pass

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

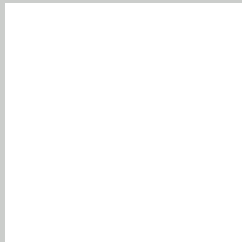


**Yxy 60.6710, 0.3126, 0.3313**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.6710, 0.3126, 0.3313.



This preview shows how white text looks on a background with the Yxy color 60.6710, 0.3126, 0.3313.

# 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

60.6710, 0.3126, 0.3313

### Protanopia

60.3860, 0.3173, 0.3302

### Deuteranopia

60.5951, 0.3289, 0.3223



## Tritanopia

60.8055, 0.3030, 0.3106

# Trichromacy



## Original Color

60.6710, 0.3126, 0.3313

## Protanomaly

60.5718, 0.3157, 0.3313

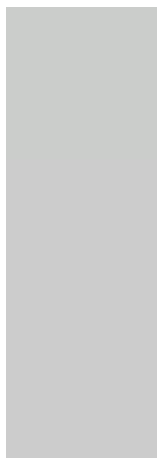
## Deuteranomaly

60.7319, 0.3222, 0.3256

## Tritanomaly

60.8272, 0.3064, 0.3186

# Monochromacy



## Original Color

60.6710, 0.3126, 0.3313

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

60.3827, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.6710, 0.3126, 0.3313 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(203, 205, 203)` looks like.

```
.text, #text, p{  
    color:rgb(203, 205, 203)  
}
```

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(203, 205, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 205, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 60.6710, 0.3126, 0.3313 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(203, 205, 203) }
```

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

```
.border{ border-color:rgb(203, 205, 203) }
```

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

Here you see how a box with a 4 pixel rgb(203, 205, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 205, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 205, 203);  
box-shadow:4px 4px 4px 4px rgb(203, 205,  
203) }
```

# Background

The CSS property to change the background color of an element to Yxy 60.6710, 0.3126, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 205, 203) }
```

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

```
.background{ background-color: rgb(203,  
205, 203) }
```

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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