

# Converting Colors

$Yxy(60.7704, 0.3166, 0.3324)$

Have a look what the booklet for  
Yxy(60.7704, 0.3166, 0.3324)  
contains.

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# Color

**Yxy(60.6682, 0.3172, 0.3325)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFCCC9
RGB	207, 204, 201
RGB Percent	81%, 80%, 79%
CMY	0.1881, 0.2000, 0.2118
CMYK	0.00, 0.01, 0.03, 0.19
HSL	30°, 6%, 80%
HSV	30°, 3%, 81%
XYZ	57.8766, 60.6682, 63.9160
YIQ	204.5550, 2.7510, -0.2970

# Conversions

## Conversions Part 2

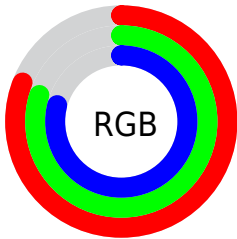
Format	Color
RVB	207, 207, 201
Decimal	13618377
CIELab	82.20, 0.52, 1.85
CIElCh	82, 1.922, 74.265
Yxy	60.6682, 0.3172, 0.3325
Android (android.graphics.Color)	4291808457 (0xFFCFCCC9)
YUV	204.5550, -1.7526, 2.1443
Hunter-Lab	77.8898, -3.6715, 5.8698

# Details

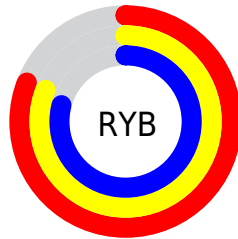
The Yxy color **60.6682, 0.3172, 0.3325** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.1350, 0.3083, 0.3255**, and the grayscale version is **60.7681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **30.6916, 0.3186, 0.3337** is the 20% darker color. If you saturate the color by 10%, you get **54.9569, 0.3340, 0.3450**, and if you desaturate by 10%, it is **66.8498, 0.3026, 0.3208**.

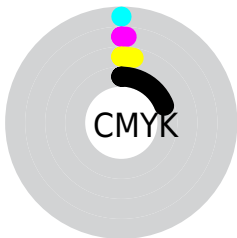
# Distribution



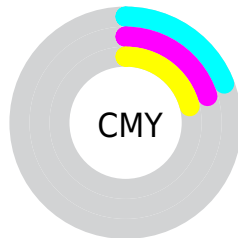
- Red (81%)
- Green (80%)
- Blue (79%)



- Red (81%)
- Yellow (81%)
- Blue (79%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (19%)



- Cyan (19%)
- Magenta (20%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.6682, 0.3172, 0.3325 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 60.6682, 0.3172, 0.3325 by changing the saturation by 10% instead.



■ 60.6682, 0.3172,  
0.3325

■ 60.6682, 0.3172,  
0.3325

427.0564, 0.3151,  
0.3308

■ 43.9574, 0.3177,  
0.3329

105.7984, 0.3164,  
0.3319

■ 30.6371, 0.3183,  
0.3334

134.9866, 0.3162,  
0.3317

■ 20.3226, 0.3192,  
0.3340

169.1027, 0.3159,  
0.3315

■ 12.6298, 0.3203,  
0.3349

208.5312, 0.3157,  
0.3313

■ 7.1741, 0.3219,  
0.3361

253.6564, 0.3155,  
0.3312

■ 3.5712, 0.3243,  
0.3379

304.8628, 0.3153,

■ 1.4367, 0.3284,

0.3311

362.5346, 0.3152,  
0.3309

0.3411

0.2436, 0.3916,  
0.3905

0.0000, 0.0000,  
0.0000

60.6682, 0.3172,  
0.3325

60.6682, 0.3172,  
0.3325

54.9569, 0.3340,  
0.3450

66.8498, 0.3026,  
0.3208

49.6962, 0.3531,  
0.3581

73.5050, 0.2899,  
0.3100

44.8766, 0.3747,  
0.3715

80.1138, 0.2832,  
0.3082

40.4851, 0.3988,  
0.3846

86.2899, 0.2838,  
0.3193

■ 36.5081, 0.4250,  
0.3967

■ 92.0120, 0.2844,  
0.3289

■ 32.9311, 0.4525,  
0.4067

■ 29.7384, 0.4801,  
0.4133

■ 26.9126, 0.5063,  
0.4153

■ 24.4345, 0.5291,  
0.4119

# Harmonies

## Analogous

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



60.6682, 0.3175, 0.3308



60.6682, 0.3172, 0.3325



60.6682, 0.3157, 0.3333

# Triad

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



60.6682, 0.3172, 0.3325



60.6682, 0.3090, 0.3294



60.6682, 0.3120, 0.3252

# Complementary

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



60.6682, 0.3172, 0.3325



60.1350, 0.3083, 0.3255

# 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.



60.6682, 0.3097, 0.3248



60.6682, 0.3172, 0.3325



60.6682, 0.3080, 0.3272

# Square

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



60.6682, 0.3172, 0.3325



60.6682, 0.3109, 0.3315



60.6682, 0.3083, 0.3255



60.6682, 0.3145, 0.3266



# Rectangle

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



60.6682, 0.3172, 0.3325



60.6682, 0.3142, 0.3331



60.6682, 0.3083, 0.3255



60.6682, 0.3112, 0.3249

# Sweetspot

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



60.6708, 0.3172, 0.3325



99.0180, 0.3142, 0.3302



59.4099, 0.3152, 0.3254



21.2043, 0.3142, 0.3301



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.



60.6708, 0.3172, 0.3325



96.1179, 0.3190, 0.3339



62.0880, 0.3170, 0.3359



13.3682, 0.3200, 0.3347



14.5923, 0.5411, 0.4085



0.9746, 0.5129, 0.4309

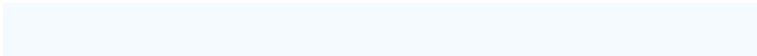


# Inverse Universe

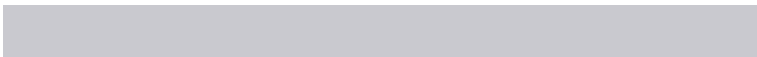
The Inverse Universe completely reimagines the original color for something new.



60.1350, 0.3083, 0.3255



94.9371, 0.3066, 0.3241



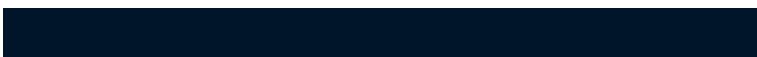
58.7439, 0.3084, 0.3220



13.1769, 0.3056, 0.3233



9.3334, 0.1779, 0.1606

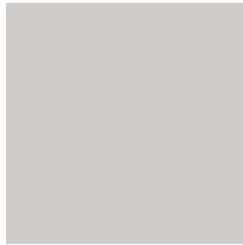


0.6806, 0.1871, 0.1936



# Previews

## White Background



This preview shows how the Yxy color 60.6682, 0.3172, 0.3325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

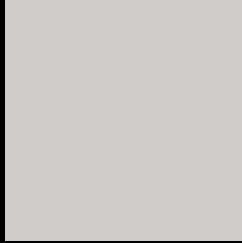
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.6682, 0.3172, 0.3325 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

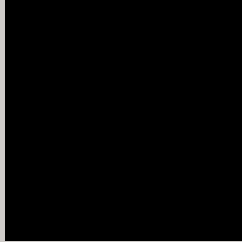
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

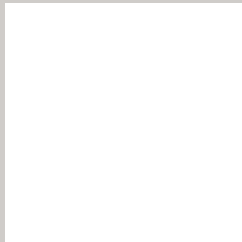
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.6682, 0.3172, 0.3325**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.6682, 0.3172, 0.3325.

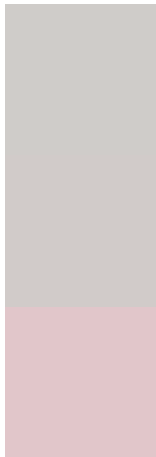


This preview shows how white text looks on a background with the Yxy color 60.6682, 0.3172, 0.3325.

# 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

60.6682, 0.3172, 0.3325

### Protanopia

60.4842, 0.3188, 0.3313

### Deuteranopia

60.6600, 0.3312, 0.3246



## Tritanopia

60.4847, 0.3082, 0.3108

# Trichromacy



## Original Color

60.6682, 0.3172, 0.3325

## Protanomaly

60.3388, 0.3180, 0.3313

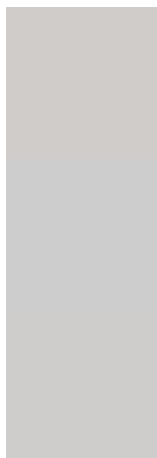
## Deuteranomaly

60.4782, 0.3254, 0.3268

## Tritanomaly

60.4995, 0.3117, 0.3187

# Monochromacy



## Original Color

60.6682, 0.3172, 0.3325

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

61.1441, 0.3142, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.6682, 0.3172, 0.3325 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(207, 204, 201)` looks like.

```
.text, #text, p{  
    color:rgb(207, 204, 201)  
}
```

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(207, 204, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 204, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 60.6682, 0.3172, 0.3325 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(207, 204, 201) }
```

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

```
.border{ border-color:rgb(207, 204, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 204, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 204, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 204, 201);  
box-shadow:4px 4px 4px 4px rgb(207, 204,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.6682, 0.3172, 0.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 204, 201) }
```

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

```
.background{ background-color: rgb(207,  
204, 201) }
```

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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