

# Converting Colors

$Y_{xy}(55.5709, 0.3128, 0.3261)$

Have a look what the booklet for  
Yxy(55.5709, 0.3128, 0.3261)  
contains.

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# Color

**Yxy(55.5628, 0.3128, 0.3266)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6C4C6
RGB	198, 196, 198
RGB Percent	78%, 77%, 78%
CMY	0.2237, 0.2313, 0.2235
CMYK	0.00, 0.01, 0.00, 0.22
HSL	299°, 2%, 77%
HSV	299°, 1%, 78%
XYZ	53.2151, 55.5628, 61.3470
YIQ	196.8260, 0.5500, 1.0460

# Conversions

## Conversions Part 2

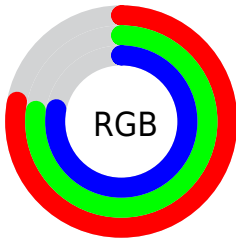
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 196, 198
Decimal	13026502
CIE Lab	79.36, 1.05, -0.77
CIE LCh	79, 1.296, 323.820
Yxy	55.5628, 0.3128, 0.3266
Android (android.graphics.Color)	4291216582 (0xFFC6C4C6)
YUV	196.8260, 0.5788, 1.0296
Hunter-Lab	74.5405, -3.0131, 3.3825

# Details

The Yxy color `55.5628, 0.3128, 0.3266` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `56.1184, 0.3126, 0.3314`, and the grayscale version is `55.7193, 0.3127, 0.3290`.

A 20% lighter version of the original color is `98.7306, 0.3128, 0.3271`, and `27.2889, 0.3129, 0.3258` is the 20% darker color. If you saturate the color by 10%, you get `47.1647, 0.3136, 0.3022`, and if you desaturate by 10%, it is `65.1447, 0.3120, 0.3499`.

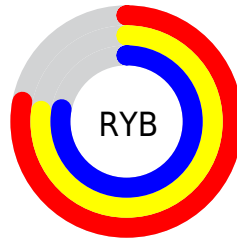
# Distribution



Red (78%)

Green (77%)

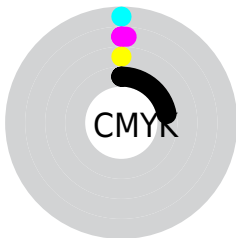
Blue (78%)



Red (78%)

Yellow (77%)

Blue (78%)

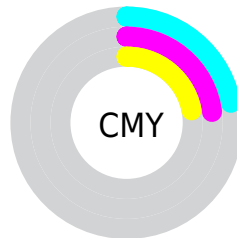


Cyan (0%)

Magenta (1%)

Yellow (0%)

Black (22%)



Cyan (22%)

Magenta (23%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5628, 0.3128, 0.3266 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 55.5628, 0.3128, 0.3266 by changing the saturation by 10% instead.



■ 55.5628, 0.3128,  
0.3266

■ 55.5628, 0.3128,  
0.3266

408.0418, 0.3128,  
0.3278

■ 39.8525, 0.3128,  
0.3263

98.3651, 0.3128,  
0.3270

■ 27.4236, 0.3128,  
0.3260

126.2258, 0.3128,  
0.3272

■ 17.8916, 0.3128,  
0.3255

158.9055, 0.3128,  
0.3273

■ 10.8722, 0.3128,  
0.3249

196.7885, 0.3128,  
0.3274

■ 5.9809, 0.3129,  
0.3239

240.2592, 0.3128,  
0.3275

■ 2.8335, 0.3129,  
0.3225

289.7021, 0.3128,

■ 1.0454, 0.3130,

0.3276

0.3200

345.5015, 0.3128,  
0.3277

0.0000, 0.0000,  
0.0000

55.5628, 0.3128,  
0.3266

55.5628, 0.3128,  
0.3266

47.1647, 0.3136,  
0.3022

65.1447, 0.3120,  
0.3499

39.8973, 0.3144,  
0.2773

75.9464, 0.3112,  
0.3719

33.7142, 0.3152,  
0.2525

87.7458, 0.3104,  
0.3918

28.5632, 0.3158,  
0.2288

87.7951, 0.3106,  
0.3917

24.3875, 0.3164,  
0.2070

87.8446, 0.3108,  
0.3917

■ 21.1250, 0.3167,  
0.1881

■ 87.8941, 0.3111,  
0.3917

■ 18.7064, 0.3169,  
0.1728

■ 87.9437, 0.3113,  
0.3916

■ 17.0527, 0.3169,  
0.1618

■ 87.9935, 0.3115,  
0.3916

■ 16.0698, 0.3167,  
0.1549

■ 88.0434, 0.3117,  
0.3915

# Harmonies

## Analogous

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



55.5628, 0.3111, 0.3261



55.5628, 0.3128, 0.3266



55.5628, 0.3145, 0.3278

# Triad

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



55.5628, 0.3128, 0.3266



55.5628, 0.3156, 0.3317



55.5628, 0.3098, 0.3288

# Complementary

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



55.5628, 0.3128, 0.3266



56.1184, 0.3126, 0.3314

# 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.



55.5628, 0.3110, 0.3303



55.5628, 0.3128, 0.3266



55.5628, 0.3143, 0.3320

# Square

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



55.5628, 0.3128, 0.3266



55.5628, 0.3161, 0.3307



55.5628, 0.3126, 0.3315



55.5628, 0.3094, 0.3273



# Rectangle

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



55.5628, 0.3128, 0.3266



55.5628, 0.3153, 0.3287



55.5628, 0.3126, 0.3315



55.5628, 0.3101, 0.3293

# Sweetspot

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



55.5652, 0.3128, 0.3266

100.0000, 0.3127, 0.3290



55.3316, 0.3113, 0.3267



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.



55.5652, 0.3128, 0.3266



98.3750, 0.3128, 0.3266



55.5274, 0.3135, 0.3277



12.4074, 0.3128, 0.3268



10.1492, 0.3164, 0.1517



0.4838, 0.3174, 0.1522



# Inverse Universe

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



55.4806, 0.3143, 0.3290



98.2236, 0.3143, 0.3290



56.1559, 0.3119, 0.3303



12.3897, 0.3142, 0.3290



7.8142, 0.6378, 0.3287

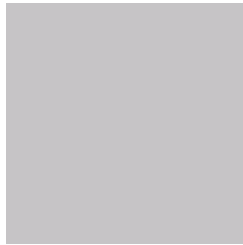


0.3711, 0.6299, 0.3244



# Previews

## White Background



This preview shows how the Yxy color 55.5628, 0.3128, 0.3266 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 55.5628, 0.3128, 0.3266 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

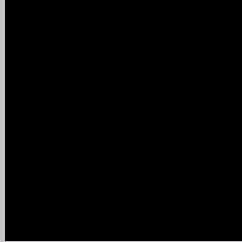
Any Text WCAG AAA ✓ Pass

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

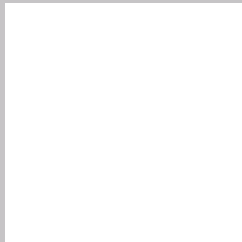


**Yxy 55.5628, 0.3128, 0.3266**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.5628, 0.3128, 0.3266.

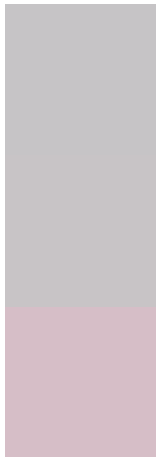


This preview shows how white text looks on a background with the Yxy color 55.5628, 0.3128, 0.3266.

# 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

55.5628, 0.3128, 0.3266

### Protanopia

55.8364, 0.3144, 0.3266

### Deuteranopia

55.2466, 0.3255, 0.3186



## Tritanopia

55.5161, 0.3057, 0.3100

# Trichromacy



## Original Color

55.5628, 0.3128, 0.3266

## Protanomaly

55.6992, 0.3136, 0.3266

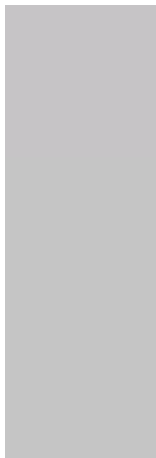
## Deuteranomaly

55.2327, 0.3204, 0.3208

## Tritanomaly

55.6286, 0.3078, 0.3159

# Monochromacy



## Original Color

55.5628, 0.3128, 0.3266

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

55.8340, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.5628, 0.3128, 0.3266 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(198, 196, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 196, 198)  
}
```

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(198, 196, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 196, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 55.5628, 0.3128, 0.3266 is called "border". The border property can be set on classes, ids or directly on the HTML element.

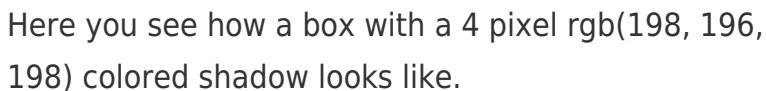
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 196, 198) }
```

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

```
.border{ border-color:rgb(198, 196, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 196, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 196, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 196, 198); box-shadow:4px 4px 4px 4px rgb(198, 196, 198) }
```

# Background

The CSS property to change the background color of an element to Yxy 55.5628, 0.3128, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 196, 198) }
```

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

```
.background{ background-color: rgb(198,  
196, 198) }
```

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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