

Converting Colors

$Y_{xy}(56.7278, 0.3049, 0.3136)$

Have a look what the booklet for
Yxy(56.7278, 0.3049, 0.3136)
contains.

Yxy(56.7278, 0.3049, 0.3136)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.7278, 0.3049, 0.3136)

Conversions

Conversions Part 1

Format	Color
Hex	C7C5D2
RGB	199, 197, 210
RGB Percent	78%, 77%, 82%
CMY	0.2196, 0.2274, 0.1765
CMYK	0.05, 0.06, 0.00, 0.18
HSL	249°, 13%, 80%
HSV	249°, 6%, 82%
XYZ	55.1540, 56.7278, 69.0104
YIQ	199.0800, -2.9810, 4.4670

Conversions

Conversions Part 2

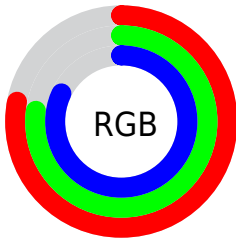
Format	Color
R_{YB}	199, 197, 210
Decimal	13092306
CIE Lab	80.03, 3.14, -6.23
CIE LCh	80, 6.980, 296.724
Yxy	56.7278, 0.3049, 0.3136
Android (android.graphics.Color)	4291282386 (0xFFC7C5D2)
YUV	199.0800, 5.3836, -0.0702
Hunter-Lab	75.3179, -1.0936, -1.6023

Details

The Yxy color **56.7278, 0.3049, 0.3136** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.5285, 0.3203, 0.3441**, and the grayscale version is **57.1348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3636, 0.3128, 0.3281**, and **28.0650, 0.3022, 0.3085** is the 20% darker color. If you saturate the color by 10%, you get **45.5606, 0.2908, 0.2863**, and if you desaturate by 10%, it is **69.5113, 0.3172, 0.3379**.

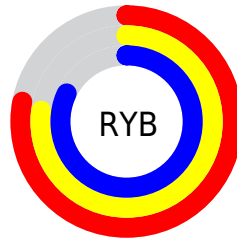
Distribution



Red (78%)

Green (77%)

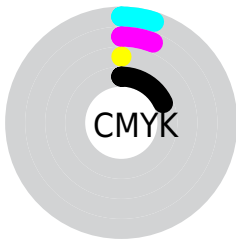
Blue (82%)



Red (78%)

Yellow (77%)

Blue (82%)

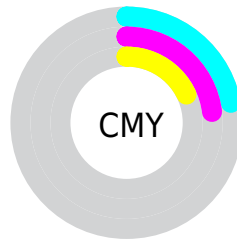


Cyan (5%)

Magenta (6%)

Yellow (0%)

Black (18%)



Cyan (22%)

Magenta (23%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7278, 0.3049, 0.3136 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 56.7278, 0.3049, 0.3136 by changing the saturation by 10% instead.

■ 56.7278, 0.3049,
0.3136

■ 56.7278, 0.3049,
0.3136

412.4286, 0.3087,
0.3210

■ 40.7867, 0.3040,
0.3118

100.0679, 0.3063,
0.3162

■ 28.1525, 0.3028,
0.3096

128.2357, 0.3068,
0.3172

■ 18.4406, 0.3013,
0.3068

161.2480, 0.3072,
0.3181

■ 11.2668, 0.2993,
0.3029

199.4889, 0.3076,
0.3188

■ 6.2466, 0.2963,
0.2974

243.3431, 0.3079,
0.3195

■ 2.9956, 0.2917,
0.2890

293.1948, 0.3082,

■ 1.1294, 0.2836,

0.3200

0.2746

349.4285, 0.3085,
0.3206

0.0029, 0.1523,
0.0056

0.0000, 0.0000,
0.0000

56.7278, 0.3049,
0.3136

56.7278, 0.3049,
0.3136

45.5606, 0.2908,
0.2863

69.5113, 0.3172,
0.3379

35.9382, 0.2747,
0.2560

83.9646, 0.3278,
0.3593

27.7944, 0.2570,
0.2234

96.9157, 0.3376,
0.3733

21.0554, 0.2379,
0.1895

97.4328, 0.3394,
0.3731

■ 15.6410, 0.2184,
0.1558

■ 11.4630, 0.1994,
0.1246

■ 8.4219, 0.1824,
0.0981

■ 6.4030, 0.1686,
0.0784

■ 5.2638, 0.1588,
0.0665

Harmonies

Analogous

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



56.7278, 0.2980, 0.3145



56.7278, 0.3049, 0.3136



56.7278, 0.3139, 0.3167

Triad

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



56.7278, 0.3049, 0.3136



56.7278, 0.3307, 0.3384



56.7278, 0.3027, 0.3351

Complementary

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



56.7278, 0.3049, 0.3136



63.5285, 0.3203, 0.3441

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.



56.7278, 0.3113, 0.3418



56.7278, 0.3049, 0.3136



56.7278, 0.3275, 0.3436

Square

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



56.7278, 0.3049, 0.3136



56.7278, 0.3289, 0.3309



56.7278, 0.3204, 0.3449



56.7278, 0.2968, 0.3268

Rectangle

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



56.7278, 0.3049, 0.3136



56.7278, 0.3200, 0.3206



56.7278, 0.3204, 0.3449



56.7278, 0.3054, 0.3376

Sweetspot

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



56.7302, 0.3049, 0.3136



95.9808, 0.3102, 0.3241



61.6570, 0.3032, 0.3267



20.5859, 0.3104, 0.3243



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.



56.7302, 0.3049, 0.3136



86.3856, 0.3037, 0.3113



57.6289, 0.3099, 0.3138



11.9783, 0.3031, 0.3101



3.0589, 0.1568, 0.0638



0.1995, 0.1719, 0.0721

Inverse Universe

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



58.1872, 0.3149, 0.3163



88.9585, 0.3152, 0.3145



62.6151, 0.3154, 0.3443



12.3602, 0.3154, 0.3135



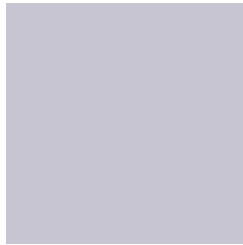
10.3177, 0.3641, 0.1779



0.5856, 0.3549, 0.1729

Previews

White Background



This preview shows how the Yxy color 56.7278, 0.3049, 0.3136 looks on a white background.

Color Contrast Check

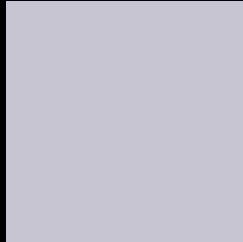
Large Text (above 18pt) WCAG AA × Fail

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 56.7278, 0.3049, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

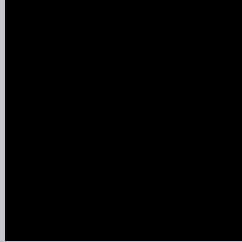
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

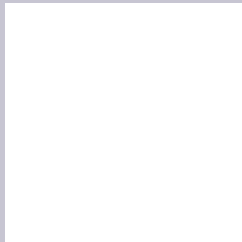
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.7278, 0.3049, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 56.7278, 0.3049, 0.3136.

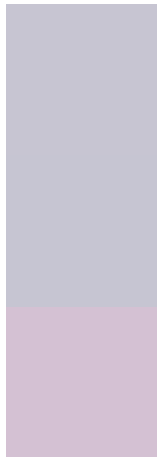


This preview shows how white text looks on a background with the Yxy color 56.7278, 0.3049, 0.3136.

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

56.7278, 0.3049, 0.3136

Protanopia

56.5914, 0.3041, 0.3136

Deuteranopia

56.8401, 0.3145, 0.3083



Tritanopia

56.8281, 0.3035, 0.3113

Trichromacy



Original Color

56.7278, 0.3049, 0.3136

Protanomaly

56.5914, 0.3041, 0.3136

Deuteranomaly

56.5521, 0.3105, 0.3092

Tritanomaly

56.7778, 0.3042, 0.3124

Monochromacy



Original Color

56.7278, 0.3049, 0.3136

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

56.8421, 0.3099, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7278, 0.3049, 0.3136 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(199, 197, 210)` looks like.

```
.text, #text, p{  
    color:rgb(199, 197, 210)  
}
```

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(199, 197, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 197, 210) }
```

Border

The CSS property to change the border of an element to Yxy 56.7278, 0.3049, 0.3136 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(199, 197, 210) }
```

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

```
.border{ border-color:rgb(199, 197, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 197, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 197, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 197, 210);  
box-shadow:4px 4px 4px 4px rgb(199, 197,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7278, 0.3049, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 197, 210) }
```

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

```
.background{ background-color: rgb(199,  
197, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor