

Converting Colors

$Yxy(56.7303, 0.3009, 0.3161)$

Have a look what the booklet for
Yxy(56.7303, 0.3009, 0.3161)
contains.

Yxy(56.7878, 0.3010, 0.3170)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.7878, 0.3010, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	C1C7D1
RGB	193, 199, 209
RGB Percent	76%, 78%, 82%
CMY	0.2432, 0.2196, 0.1804
CMYK	0.08, 0.05, 0.00, 0.18
HSL	217°, 15%, 79%
HSV	217°, 8%, 82%
XYZ	53.9215, 56.7878, 68.4320
YIQ	198.3460, -6.7860, 1.8380

Conversions

Conversions Part 2

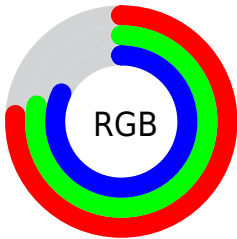
Format	Color
R _Y B	193, 197, 209
Decimal	12699601
CIE Lab	80.06, -0.14, -5.69
CIE LCh	80, 5.696, 268.622
Yxy	56.7878, 0.3010, 0.3170
Android (android.graphics.Color)	4290889681 (0xFFC1C7D1)
YUV	198.3460, 5.2524, -4.6884
Hunter-Lab	75.3577, -4.1518, -1.0906

Details

The Yxy color **56.7878, 0.3010, 0.3170** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.1027, 0.3246, 0.3407**, and the grayscale version is **56.6642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **28.1063, 0.2971, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **48.4889, 0.2848, 0.2996**, and if you desaturate by 10%, it is **65.9938, 0.3162, 0.3325**.

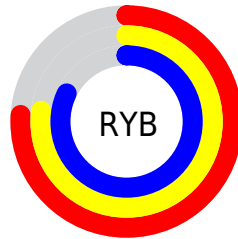
Distribution



Red (76%)

Green (78%)

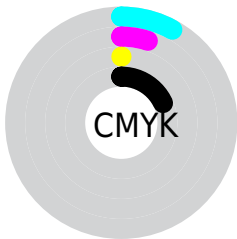
Blue (82%)



Red (76%)

Yellow (77%)

Blue (82%)

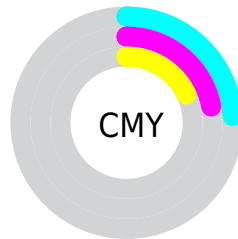


Cyan (8%)

Magenta (5%)

Yellow (0%)

Black (18%)



Cyan (24%)

Magenta (22%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7878, 0.3010, 0.3170 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 56.7878, 0.3010, 0.3170 by changing the saturation by 10% instead.

■ 56.7878, 0.3010,
0.3170

■ 56.7878, 0.3010,
0.3170

412.6537, 0.3067,
0.3228

■ 40.8349, 0.2996,
0.3156

■ 100.1555, 0.3030,
0.3191

■ 28.1901, 0.2979,
0.3139

128.3391, 0.3038,
0.3199

■ 18.4690, 0.2957,
0.3116

161.3683, 0.3044,
0.3205

■ 11.2872, 0.2927,
0.3085

199.6277, 0.3050,
0.3211

■ 6.2604, 0.2884,
0.3041

243.5015, 0.3055,
0.3216

■ 3.0040, 0.2818,
0.2972

293.3742, 0.3059,

■ 1.1338, 0.2702,

0.3221

0.2853

349.6301, 0.3063,
0.3225

0.0067, 0.0072,
0.0160

0.0000, 0.0000,
0.0000

56.7878, 0.3010,
0.3170

56.7878, 0.3010,
0.3170

48.4889, 0.2848,
0.2996

65.9938, 0.3162,
0.3325

41.0609, 0.2679,
0.2803

76.1273, 0.3303,
0.3461

34.4756, 0.2505,
0.2592

87.0861, 0.3428,
0.3581

28.7002, 0.2330,
0.2365

94.9615, 0.3406,
0.3705

■ 23.6998, 0.2161,
0.2128

■ 97.3828, 0.3400,
0.3741

■ 19.4366, 0.2005,
0.1885

■ 15.8686, 0.1869,
0.1648

■ 12.9488, 0.1759,
0.1424

■ 10.6167, 0.1678,
0.1224

Harmonies

Analogous

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



56.7878, 0.2984, 0.3207



56.7878, 0.3010, 0.3170



56.7878, 0.3068, 0.3165

Triad

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



56.7878, 0.3010, 0.3170



56.7878, 0.3261, 0.3310



56.7878, 0.3111, 0.3391

Complementary

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



56.7878, 0.3010, 0.3170



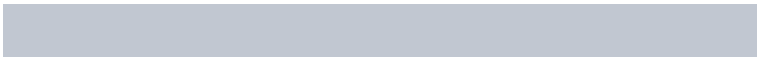
60.1027, 0.3246, 0.3407

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.



56.7878, 0.3186, 0.3419



56.7878, 0.3010, 0.3170



56.7878, 0.3273, 0.3371

Square

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



56.7878, 0.3010, 0.3170



56.7878, 0.3213, 0.3245



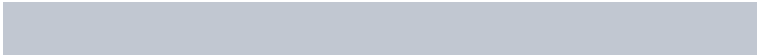
56.7878, 0.3245, 0.3411



56.7878, 0.3041, 0.3336

Rectangle

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



56.7878, 0.3010, 0.3170



56.7878, 0.3117, 0.3180



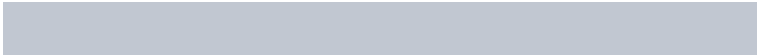
56.7878, 0.3245, 0.3411



56.7878, 0.3136, 0.3404

Sweetspot

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



56.7902, 0.3010, 0.3170



97.0320, 0.3097, 0.3259



61.2365, 0.3051, 0.3363



20.8000, 0.3098, 0.3261



0.0000, 0.0000, 0.0000



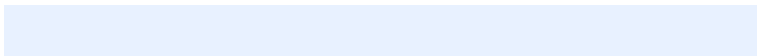
21.4041, 0.3127, 0.3290

Same Dimension

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



56.7902, 0.3010, 0.3170



87.1058, 0.2987, 0.3146



54.3234, 0.3025, 0.3098



12.1358, 0.2982, 0.3141



6.4256, 0.1668, 0.1206



0.5101, 0.1772, 0.1579

Inverse Universe

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



55.8146, 0.3211, 0.3220



85.3332, 0.3229, 0.3206



62.7279, 0.3225, 0.3477



11.8807, 0.3232, 0.3203



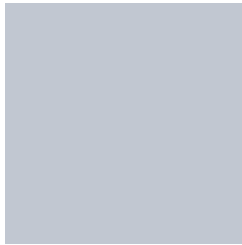
8.7199, 0.5458, 0.2780



0.5028, 0.4957, 0.2505

Previews

White Background



This preview shows how the Yxy color 56.7878, 0.3010, 0.3170 looks on a white background.

Color Contrast Check

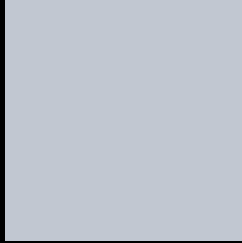
Large Text (above 18pt) WCAG AA × Fail

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 56.7878, 0.3010, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

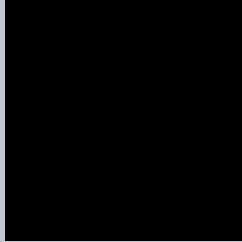
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

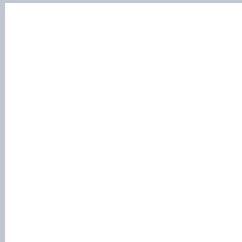
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.7878, 0.3010, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 56.7878, 0.3010, 0.3170.

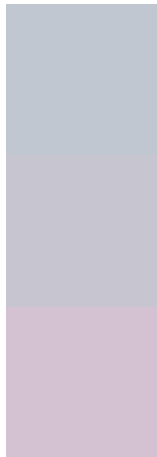


This preview shows how white text looks on a background with the Yxy color 56.7878, 0.3010, 0.3170.

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

56.7878, 0.3010, 0.3170

Protanopia

56.6287, 0.3063, 0.3159

Deuteranopia

56.7901, 0.3152, 0.3094



Tritanopia

56.7125, 0.2983, 0.3099

Trichromacy



Original Color

56.7878, 0.3010, 0.3170

Protanomaly

56.8126, 0.3048, 0.3171

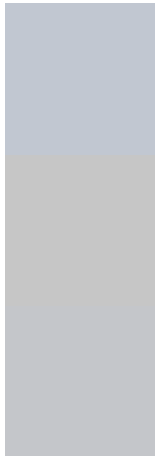
Deuteranomaly

56.6625, 0.3096, 0.3115

Tritanomaly

56.6110, 0.2997, 0.3123

Monochromacy



Original Color

56.7878, 0.3010, 0.3170

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.3882, 0.3083, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7878, 0.3010, 0.3170 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(193, 199, 209)` looks like.

```
.text, #text, p{  
    color:rgb(193, 199, 209)  
}
```

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(193, 199, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 199, 209) }
```

Border

The CSS property to change the border of an element to Yxy 56.7878, 0.3010, 0.3170 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(193, 199, 209) }
```

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

```
.border{ border-color:rgb(193, 199, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 199, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 199, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 199, 209);  
box-shadow:4px 4px 4px 4px rgb(193, 199,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7878, 0.3010, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 199, 209) }
```

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

```
.background{ background-color: rgb(193,  
199, 209) }
```

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