

Converting Colors

$Y_{xy}(58.1223, 0.2972, 0.3170)$

Have a look what the booklet for
Yxy(58.1223, 0.2972, 0.3170)
contains.

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Color

Yxy(58.0709, 0.2975, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	BFCAD4
RGB	191, 202, 212
RGB Percent	75%, 79%, 83%
CMY	0.2508, 0.2079, 0.1686
CMYK	0.10, 0.05, 0.00, 0.17
HSL	209°, 20%, 79%
HSV	209°, 10%, 83%
XYZ	54.4987, 58.0709, 70.6193
YIQ	199.8510, -9.7660, 0.7780

Conversions

Conversions Part 2

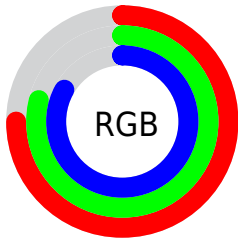
Format	Color
R _Y B	191, 198, 212
Decimal	12569300
CIE Lab	80.78, -1.76, -6.26
CIE LCh	81, 6.505, 254.297
Yxy	58.0709, 0.2975, 0.3170
Android (android.graphics.Color)	4290759380 (0xFFBFCAD4)
YUV	199.8510, 5.9895, -7.7623
Hunter-Lab	76.2043, -5.7003, -1.6017

Details

The Yxy color **58.0709, 0.2975, 0.3170** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.5591, 0.3287, 0.3407**, and the grayscale version is **57.6350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **29.0174, 0.2944, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **50.9231, 0.2816, 0.3035**, and if you desaturate by 10%, it is **65.9332, 0.3129, 0.3291**.

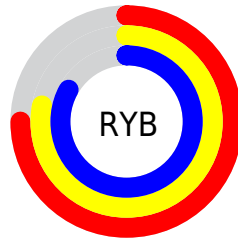
Distribution



Red (75%)

Green (79%)

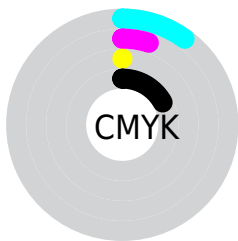
Blue (83%)



Red (75%)

Yellow (78%)

Blue (83%)

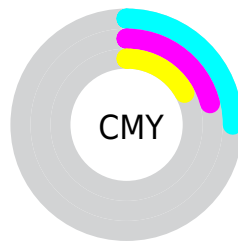


Cyan (10%)

Magenta (5%)

Yellow (0%)

Black (17%)



Cyan (25%)

Magenta (21%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0709, 0.2975, 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 58.0709, 0.2975, 0.3170 by changing the saturation by 10% instead.

■ 58.0709, 0.2975,
0.3170

■ 58.0709, 0.2975,
0.3170

417.4501, 0.3048,
0.3228

■ 41.8656, 0.2958,
0.3156

■ 102.0261, 0.3001,
0.3191

■ 28.9961, 0.2936,
0.3139

130.5448, 0.3011,
0.3199

■ 19.0779, 0.2907,
0.3116

163.9369, 0.3019,
0.3205

■ 11.7266, 0.2869,
0.3085

202.5866, 0.3027,
0.3211

■ 6.5578, 0.2815,
0.3041

246.8783, 0.3033,
0.3216

■ 3.1871, 0.2733,
0.2973

297.1966, 0.3039,

■ 1.2302, 0.2591,

0.3221

0.2855

353.9257, 0.3044,
0.3225

0.0862, 0.0592,
0.1312

0.0000, 0.0000,
0.0000

58.0709, 0.2975,
0.3170

58.0709, 0.2975,
0.3170

50.9231, 0.2816,
0.3035

65.9332, 0.3129,
0.3291

44.4596, 0.2654,
0.2886

74.5245, 0.3276,
0.3399

38.6585, 0.2493,
0.2724

83.8679, 0.3415,
0.3495

33.4938, 0.2337,
0.2551

89.8122, 0.3401,
0.3593

■ 28.9372, 0.2191,
0.2369

■ 96.0242, 0.3385,
0.3689

■ 24.9580, 0.2059,
0.2182

■ 97.5332, 0.3382,
0.3711

■ 21.5219, 0.1947,
0.1996

■ 18.5889, 0.1857,
0.1814

■ 16.0931, 0.1789,
0.1640

Harmonies

Analogous

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



58.0709, 0.2965, 0.3227



58.0709, 0.2975, 0.3170



58.0709, 0.3025, 0.3146

Triad

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



58.0709, 0.2975, 0.3170



58.0709, 0.3258, 0.3277



58.0709, 0.3150, 0.3425

Complementary

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



58.0709, 0.2975, 0.3170



59.5591, 0.3287, 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.



58.0709, 0.3229, 0.3437



58.0709, 0.2975, 0.3170



58.0709, 0.3292, 0.3350

Square

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



58.0709, 0.2975, 0.3170



58.0709, 0.3188, 0.3208



58.0709, 0.3281, 0.3409



58.0709, 0.3065, 0.3375

Rectangle

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



58.0709, 0.2975, 0.3170



58.0709, 0.3075, 0.3151



58.0709, 0.3281, 0.3409



58.0709, 0.3178, 0.3433

Sweetspot

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



58.0733, 0.2975, 0.3170



96.2686, 0.3081, 0.3255



62.3762, 0.3050, 0.3423



20.3957, 0.3069, 0.3245



0.0000, 0.0000, 0.0000



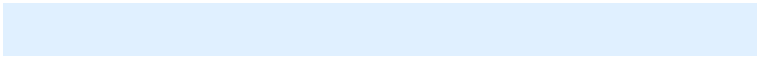
21.4041, 0.3127, 0.3290

Same Dimension

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



58.0733, 0.2975, 0.3170



85.6779, 0.2940, 0.3141



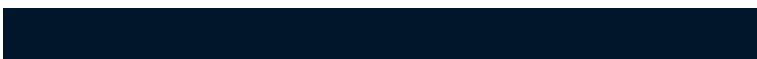
53.4258, 0.2974, 0.3045



13.0713, 0.2982, 0.3176



10.1201, 0.1795, 0.1662



0.7758, 0.1879, 0.1965

Inverse Universe

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



55.5443, 0.3215, 0.3163



81.1007, 0.3237, 0.3133



64.4962, 0.3274, 0.3524



12.5281, 0.3210, 0.3169



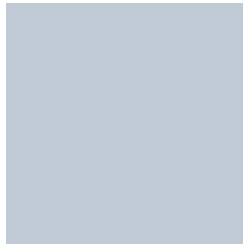
9.3665, 0.4853, 0.2447



0.5816, 0.4492, 0.2248

Previews

White Background



This preview shows how the Yxy color 58.0709, 0.2975, 0.3170 looks on a white background.

Color Contrast Check

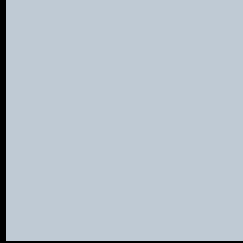
Large Text (above 18pt) WCAG AA × Fail

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 58.0709, 0.2975, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

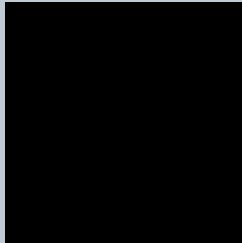
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

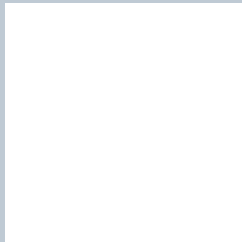
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.0709, 0.2975, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 58.0709, 0.2975, 0.3170.

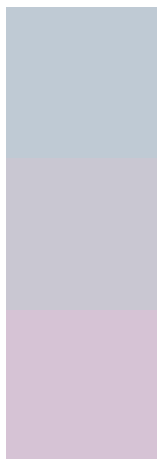


This preview shows how white text looks on a background with the Yxy color 58.0709, 0.2975, 0.3170.

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

58.0709, 0.2975, 0.3170

Protanopia

57.9175, 0.3064, 0.3161

Deuteranopia

58.1305, 0.3145, 0.3085



Tritanopia

57.9895, 0.2948, 0.3100

Trichromacy



Original Color

58.0709, 0.2975, 0.3170

Protanomaly

57.8820, 0.3026, 0.3160

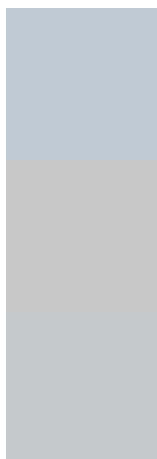
Deuteranomaly

58.3141, 0.3081, 0.3116

Tritanomaly

57.8861, 0.2962, 0.3123

Monochromacy



Original Color

58.0709, 0.2975, 0.3170

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

58.0032, 0.3075, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0709, 0.2975, 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(191, 202, 212)` looks like.

```
.text, #text, p{  
    color:rgb(191, 202, 212)  
}
```

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(191, 202, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 202, 212) }
```

Border

The CSS property to change the border of an element to Yxy 58.0709, 0.2975, 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(191, 202, 212) }
```

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

```
.border{ border-color:rgb(191, 202, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 202, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 202, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 202, 212);  
box-shadow:4px 4px 4px 4px rgb(191, 202,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0709, 0.2975, 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(191, 202, 212) }
```

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

```
.background{ background-color: rgb(191,  
202, 212) }
```

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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