

Converting Colors

$Y_{xy}(58.3259, 0.3012, 0.3290)$

Have a look what the booklet for
Yxy(58.3259, 0.3012, 0.3290)
contains.

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Color

Yxy(58.3642, 0.3014, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDCCCC</code>
RGB	189, 204, 204
RGB Percent	74%, 80%, 80%
CMY	0.2590, 0.1999, 0.2000
CMYK	0.07, 0.00, 0.00, 0.20
HSL	180°, 13%, 77%
HSV	180°, 7%, 80%
XYZ	53.4680, 58.3642, 65.5666
YIQ	199.5150, -8.9400, -3.1800

Conversions

Conversions Part 2

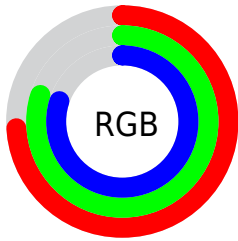
Format	Color
R _Y B	189, 197, 204
Decimal	12438732
CIE Lab	80.94, -5.10, -1.75
CIE LCh	81, 5.389, 198.956
Yxy	58.3642, 0.3014, 0.3290
Android (android.graphics.Color)	4290628812 (0xFFBDCCCC)
YUV	199.5150, 2.2111, -9.2217
Hunter-Lab	76.3965, -8.7661, 2.5924

Details

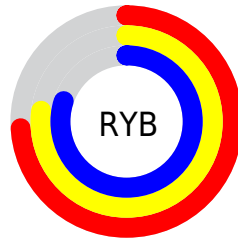
The Yxy color $58.3642, 0.3014, 0.3290$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $52.8881, 0.3252, 0.3290$, and the grayscale version is $57.4320, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.1525, 0.3066, 0.3290$, and $29.2489, 0.2988, 0.3290$ is the 20% darker color. If you saturate the color by 10%, you get $55.9374, 0.2868, 0.3290$, and if you desaturate by 10%, it is $61.1629, 0.3168, 0.3290$.

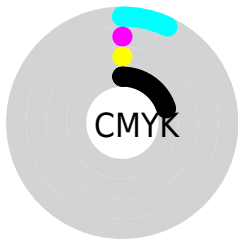
Distribution



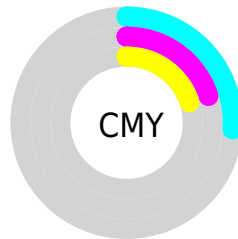
- Red (74%)
- Green (80%)
- Blue (80%)



- Red (74%)
- Yellow (77%)
- Blue (80%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (26%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3642, 0.3014, 0.3290 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 58.3642, 0.3014, 0.3290 by changing the saturation by 10% instead.

■ 58.3642, 0.3014,
0.3290

■ 58.3642, 0.3014,
0.3290

418.5417, 0.3068,
0.3290

■ 42.1015, 0.3001,
0.3290

■ 102.4530, 0.3033,
0.3290

■ 29.1808, 0.2985,
0.3290

131.0480, 0.3041,
0.3290

■ 19.2176, 0.2964,
0.3289

164.5224, 0.3047,
0.3290

■ 11.8276, 0.2935,
0.3289

203.2608, 0.3052,
0.3290

■ 6.6264, 0.2895,
0.3288

247.6476, 0.3057,
0.3290

■ 3.2296, 0.2833,
0.3286

298.0670, 0.3061,

■ 1.2527, 0.2726,

0.3290

0.3282

354.9036, 0.3065,
0.3290

0.1042, 0.0000,
0.3064

0.0000, 0.0000,
0.0000

58.3642, 0.3014,
0.3290

58.3642, 0.3014,
0.3290

55.9374, 0.2868,
0.3290

61.1629, 0.3168,
0.3290

53.8599, 0.2732,
0.3290

64.3405, 0.3327,
0.3290

52.1177, 0.2610,
0.3291


67.9129, 0.3488,
0.3290

50.6935, 0.2505,
0.3291

68.8216, 0.3526,
0.3290

 49.5678, 0.2417,
0.3291

 68.8236, 0.3525,
0.3289


 48.7195, 0.2348,
0.3292


 68.8255, 0.3525,
0.3289


 48.1246, 0.2298,
0.3292

 68.8274, 0.3525,
0.3289

 47.7547, 0.2267,
0.3293

 68.8294, 0.3524,
0.3288

 47.5711, 0.2251,
0.3293

 68.8313, 0.3524,
0.3288

Harmonies

Analogous

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



58.3642, 0.3066, 0.3352



58.3642, 0.3014, 0.3290



58.3642, 0.2992, 0.3229

Triad

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



58.3642, 0.3014, 0.3290



58.3642, 0.3118, 0.3187



58.3642, 0.3250, 0.3394

Complementary

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



58.3642, 0.3014, 0.3290



52.8881, 0.3252, 0.3290

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.



58.3642, 0.3265, 0.3349



58.3642, 0.3014, 0.3290



58.3642, 0.3188, 0.3230

Square

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



58.3642, 0.3014, 0.3290



58.3642, 0.3052, 0.3171



58.3642, 0.3242, 0.3289



58.3642, 0.3202, 0.3412

Rectangle

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



58.3642, 0.3014, 0.3290



58.3642, 0.2997, 0.3197



58.3642, 0.3242, 0.3289



58.3642, 0.3259, 0.3382

Sweetspot

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



58.3667, 0.3014, 0.3290



99.0449, 0.3096, 0.3290



57.7117, 0.3120, 0.3476



21.2097, 0.3097, 0.3290



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.



58.3667, 0.3014, 0.3290



95.9013, 0.2988, 0.3290



54.9863, 0.3014, 0.3201



12.7267, 0.2984, 0.3290



29.9137, 0.2248, 0.3293



1.5433, 0.2248, 0.3292

Inverse Universe

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



52.8881, 0.3252, 0.3290



84.8330, 0.3284, 0.3290



56.0979, 0.3244, 0.3378



11.2140, 0.3290, 0.3290



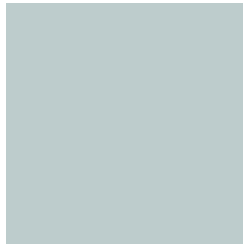
8.0807, 0.6398, 0.3298



0.4170, 0.6390, 0.3294

Previews

White Background



This preview shows how the Yxy color 58.3642, 0.3014, 0.3290 looks on a white background.

Color Contrast Check

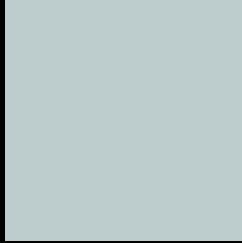
Large Text (above 18pt) WCAG AA × Fail

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 58.3642, 0.3014, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

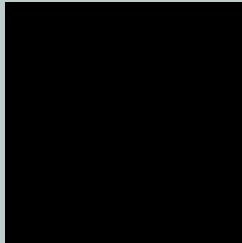
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

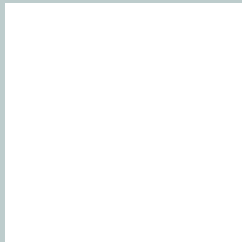
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.3642, 0.3014, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 58.3642, 0.3014, 0.3290.

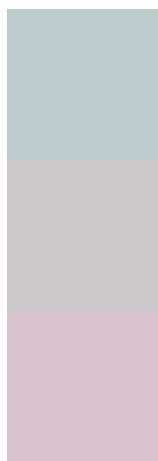


This preview shows how white text looks on a background with the Yxy color 58.3642, 0.3014, 0.3290.

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

58.3642, 0.3014, 0.3290

Protanopia

58.4102, 0.3144, 0.3267

Deuteranopia

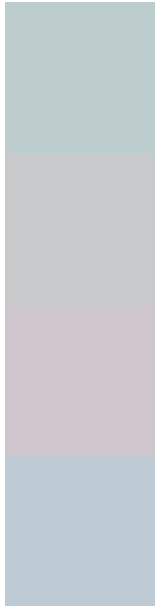
58.3919, 0.3229, 0.3165



Tritanopia

58.3794, 0.2934, 0.3100

Trichromacy



Original Color

58.3642, 0.3014, 0.3290

Protanomaly

58.2272, 0.3097, 0.3266

Deuteranomaly

58.0613, 0.3147, 0.3208

Tritanomaly

58.4631, 0.2961, 0.3170

Monochromacy



Original Color

58.3642, 0.3014, 0.3290

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

57.7261, 0.3089, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3642, 0.3014, 0.3290 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(189, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(189, 204, 204)  
}
```

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(189, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 204, 204) }
```

Border

The CSS property to change the border of an element to Yxy 58.3642, 0.3014, 0.3290 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(189, 204, 204) }
```

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

```
.border{ border-color:rgb(189, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(189, 204,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3642, 0.3014, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 204, 204) }
```

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

```
.background{ background-color: rgb(189,  
204, 204) }
```

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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