

Converting Colors

$Y_{xy}(59.0726, 0.2959, 0.3134)$

Have a look what the booklet for
Yxy(59.0726, 0.2959, 0.3134)
contains.

Yxy(59.0072, 0.2962, 0.3136)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(59.0072, 0.2962, 0.3136)

Conversions

Conversions Part 1

Format	Color
Hex	C1CBD8
RGB	193, 203, 216
RGB Percent	76%, 80%, 85%
CMY	0.2433, 0.2038, 0.1529
CMYK	0.11, 0.06, 0.00, 0.15
HSL	214°, 23%, 80%
HSV	214°, 11%, 85%
XYZ	55.7332, 59.0072, 73.4203
YIQ	201.4920, -10.1330, 1.9230

Conversions

Conversions Part 2

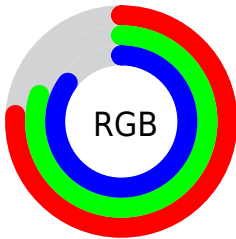
Format	Color
R _Y B	193, 200, 216
Decimal	12700632
CIE Lab	81.30, -0.88, -7.63
CIE LCh	81, 7.680, 263.438
Yxy	59.0072, 0.2962, 0.3136
Android (android.graphics.Color)	4290890712 (0xFFC1CBD8)
YUV	201.4920, 7.1524, -7.4475
Hunter-Lab	76.8161, -4.9193, -2.8976

Details

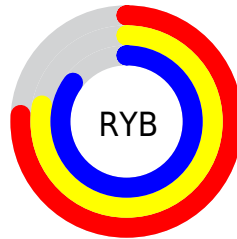
The Yxy color **59.0072, 0.2962, 0.3136** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.5587, 0.3298, 0.3439**, and the grayscale version is **58.6862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **29.5571, 0.2919, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **50.8528, 0.2799, 0.2974**, and if you desaturate by 10%, it is **68.0321, 0.3117, 0.3281**.

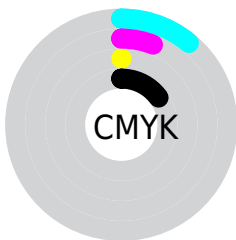
Distribution



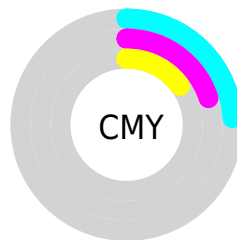
- Red (76%)
- Green (80%)
- Blue (85%)



- Red (76%)
- Yellow (78%)
- Blue (85%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)



- Cyan (24%)
- Magenta (20%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0072, 0.2962, 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 59.0072, 0.2962, 0.3136 by changing the saturation by 10% instead.

■ 59.0072, 0.2962,
0.3136

■ 59.0072, 0.2962,
0.3136

420.9286, 0.3041,
0.3210

■ 42.6189, 0.2943,
0.3118

■ 103.3881, 0.2990,
0.3162

■ 29.5862, 0.2920,
0.3096

132.1496, 0.3001,
0.3172

■ 19.5247, 0.2889,
0.3068

165.8042, 0.3010,
0.3181

■ 12.0500, 0.2848,
0.3029

204.7363, 0.3018,
0.3188

■ 6.7778, 0.2791,
0.2974

249.3305, 0.3025,
0.3195

■ 3.3235, 0.2703,
0.2891

299.9710, 0.3031,

■ 1.3029, 0.2554,

0.3200

0.2749

357.0422, 0.3036,
0.3206

0.1434, 0.1212,
0.1513

0.0000, 0.0000,
0.0000

59.0072, 0.2962,
0.3136

59.0072, 0.2962,
0.3136

50.8528, 0.2799,
0.2974

68.0321, 0.3117,
0.3281

43.5332, 0.2632,
0.2795

77.9469, 0.3263,
0.3409

37.0211, 0.2462,
0.2601

88.2542, 0.3380,
0.3524

31.2846, 0.2296,
0.2393

95.6398, 0.3362,
0.3640

■ 26.2893, 0.2139,
0.2176

■ 97.7381, 0.3357,
0.3671

■ 21.9978, 0.1996,
0.1956

■ 18.3684, 0.1874,
0.1739

■ 15.3530, 0.1778,
0.1533

■ 13.0252, 0.1710,
0.1356

Harmonies

Analogous

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



59.0072, 0.2935, 0.3192



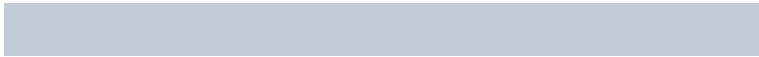
59.0072, 0.2962, 0.3136



59.0072, 0.3032, 0.3122

Triad

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



59.0072, 0.2962, 0.3136



59.0072, 0.3298, 0.3301



59.0072, 0.3123, 0.3435

Complementary

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



59.0072, 0.2962, 0.3136



62.5587, 0.3298, 0.3439

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.



59.0072, 0.3221, 0.3464



59.0072, 0.2962, 0.3136



59.0072, 0.3323, 0.3384

Square

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



59.0072, 0.2962, 0.3136



59.0072, 0.3227, 0.3216



59.0072, 0.3294, 0.3444



59.0072, 0.3027, 0.3365

Rectangle

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



59.0072, 0.2962, 0.3136



59.0072, 0.3096, 0.3137



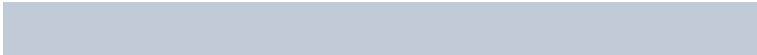
59.0072, 0.3294, 0.3444



59.0072, 0.3157, 0.3450

Sweetspot

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



59.0097, 0.2962, 0.3136



95.8595, 0.3081, 0.3248



64.8832, 0.3031, 0.3412



20.2853, 0.3069, 0.3237



0.0000, 0.0000, 0.0000



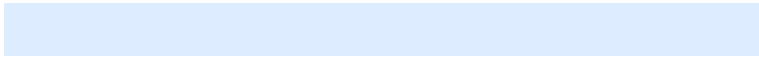
21.4041, 0.3127, 0.3290

Same Dimension

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



59.0097, 0.2962, 0.3136



82.9065, 0.2923, 0.3098



54.5580, 0.2969, 0.3015



12.8922, 0.2982, 0.3155



7.9158, 0.1718, 0.1384



0.6405, 0.1811, 0.1721

Inverse Universe

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



57.0295, 0.3238, 0.3175



79.4982, 0.3266, 0.3147



67.3870, 0.3277, 0.3552



12.5100, 0.3223, 0.3189



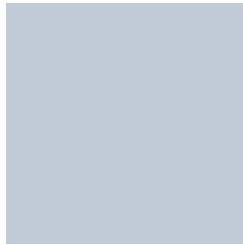
9.1439, 0.5213, 0.2645



0.5680, 0.4781, 0.2407

Previews

White Background



This preview shows how the Yxy color 59.0072, 0.2962, 0.3136 looks on a white background.

Color Contrast Check

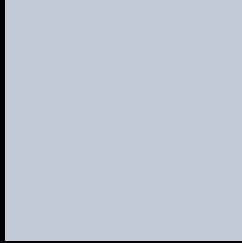
Large Text (above 18pt) WCAG AA × Fail

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 59.0072, 0.2962, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

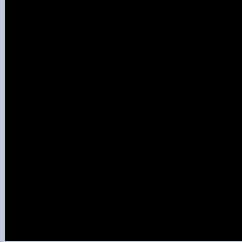
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

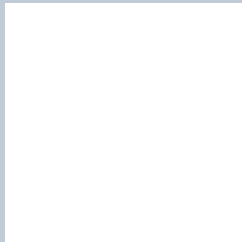
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.0072, 0.2962, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 59.0072, 0.2962, 0.3136.

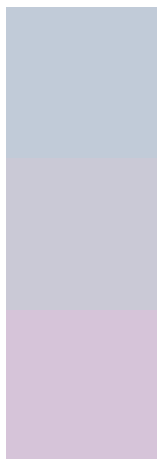


This preview shows how white text looks on a background with the Yxy color 59.0072, 0.2962, 0.3136.

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

59.0072, 0.2962, 0.3136

Protanopia

59.1849, 0.3043, 0.3138

Deuteranopia

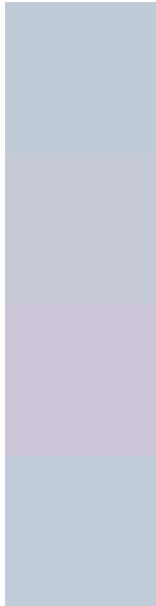
58.7858, 0.3115, 0.3052



Tritanopia

59.1638, 0.2942, 0.3101

Trichromacy



Original Color

59.0072, 0.2962, 0.3136

Protanomaly

59.2895, 0.3013, 0.3138

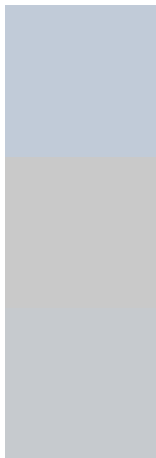
Deuteranomaly

58.9784, 0.3052, 0.3083

Tritanomaly

59.1113, 0.2949, 0.3113

Monochromacy



Original Color

59.0072, 0.2962, 0.3136

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

58.7031, 0.3068, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0072, 0.2962, 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(193, 203, 216)` looks like.

```
.text, #text, p{  
    color:rgb(193, 203, 216)  
}
```

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, 203, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 203, 216) }
```

Border

The CSS property to change the border of an element to Yxy 59.0072, 0.2962, 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(193, 203, 216) }
```

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

```
.border{ border-color:rgb(193, 203, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 203, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 203, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 203, 216); box-shadow:4px 4px 4px 4px rgb(193, 203, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0072, 0.2962, 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(193, 203, 216) }
```

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

```
.background{ background-color: rgb(193,  
203, 216) }
```

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