

Converting Colors

Yxy(58.6672, 0.3036, 0.3165)

Have a look what the booklet for
Yxy(58.6672, 0.3036, 0.3165)
contains.

Yxy(58.6689, 0.3034, 0.3160)	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(58.6689, 0.3034, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	C7C9D4
RGB	199, 201, 212
RGB Percent	78%, 79%, 83%
CMY	0.2195, 0.2118, 0.1685
CMYK	0.06, 0.05, 0.00, 0.17
HSL	231°, 13%, 81%
HSV	231°, 6%, 83%
XYZ	56.3296, 58.6689, 70.6626
YIQ	201.6560, -4.7230, 2.9970

Conversions

Conversions Part 2

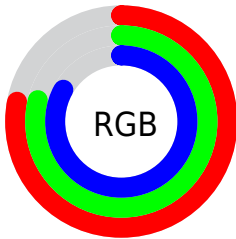
Format	Color
R _Y B	199, 201, 212
Decimal	13093332
CIE Lab	81.11, 1.41, -5.73
CIE LCh	81, 5.899, 283.857
Yxy	58.6689, 0.3034, 0.3160
Android (android.graphics.Color)	4291283412 (0xFFC7C9D4)
YUV	201.6560, 5.0996, -2.3293
Hunter-Lab	76.5956, -2.7708, -1.0805

Details

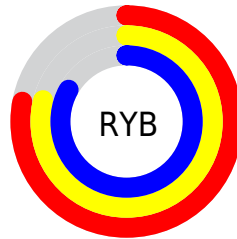
The Yxy color **58.6689, 0.3034, 0.3160** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.2446, 0.3219, 0.3417**, and the grayscale version is **58.8107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **29.3215, 0.3013, 0.3133** is the 20% darker color. If you saturate the color by 10%, you get **48.0732, 0.2869, 0.2926**, and if you desaturate by 10%, it is **70.6547, 0.3183, 0.3367**.

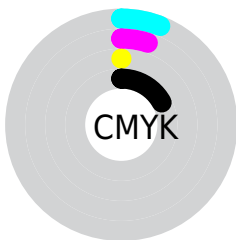
Distribution



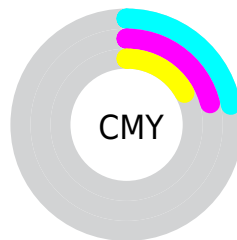
- Red (78%)
- Green (79%)
- Blue (83%)



- Red (78%)
- Yellow (79%)
- Blue (83%)



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)



- Cyan (22%)
- Magenta (21%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6689, 0.3034, 0.3160 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 58.6689, 0.3034, 0.3160 by changing the saturation by 10% instead.

■ 58.6689, 0.3034,
0.3160

■ 58.6689, 0.3034,
0.3160

419.6738, 0.3079,
0.3222

■ 42.3466, 0.3023,
0.3145

102.8963, 0.3050,
0.3182

■ 29.3728, 0.3010,
0.3127

131.5702, 0.3056,
0.3191

■ 19.3630, 0.2992,
0.3103

165.1302, 0.3061,
0.3198

■ 11.9329, 0.2969,
0.3070

203.9605, 0.3066,
0.3204

■ 6.6980, 0.2935,
0.3025

248.4456, 0.3070,
0.3209

■ 3.2740, 0.2884,
0.2955

298.9700, 0.3073,

■ 1.2764, 0.2795,

0.3214

0.2836

355.9179, 0.3076,
0.3219

0.1228, 0.1871,
0.1520

0.0000, 0.0000,
0.0000

58.6689, 0.3034,
0.3160

58.6689, 0.3034,
0.3160

48.0732, 0.2869,
0.2926

70.6547, 0.3183,
0.3367

38.8097, 0.2689,
0.2663

84.0707, 0.3315,
0.3547

30.8276, 0.2496,
0.2376

97.4896, 0.3382,
0.3710

24.0699, 0.2297,
0.2069

97.5351, 0.3381,
0.3710

■ 18.4753, 0.2099,
0.1755

■ 13.9772, 0.1914,
0.1449

■ 10.5018, 0.1756,
0.1170

■ 7.9660, 0.1633,
0.0938

■ 6.2722, 0.1554,
0.0766

Harmonies

Analogous

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



58.6689, 0.2989, 0.3182



58.6689, 0.3034, 0.3160



58.6689, 0.3104, 0.3172

Triad

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



58.6689, 0.3034, 0.3160



58.6689, 0.3276, 0.3344



58.6689, 0.3073, 0.3368

Complementary

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



58.6689, 0.3034, 0.3160



64.2446, 0.3219, 0.3417

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.



58.6689, 0.3149, 0.3412



58.6689, 0.3034, 0.3160



58.6689, 0.3267, 0.3397

Square

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



58.6689, 0.3034, 0.3160



58.6689, 0.3244, 0.3277



58.6689, 0.3220, 0.3423



58.6689, 0.3011, 0.3302

Rectangle

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



58.6689, 0.3034, 0.3160



58.6689, 0.3156, 0.3198



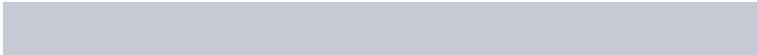
58.6689, 0.3220, 0.3423



58.6689, 0.3097, 0.3386

Sweetspot

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



58.6714, 0.3034, 0.3160



96.3176, 0.3097, 0.3248



63.8934, 0.3047, 0.3315



20.6545, 0.3099, 0.3250



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.



58.6714, 0.3034, 0.3160



87.4915, 0.3019, 0.3139



58.3561, 0.3067, 0.3138



12.7728, 0.3012, 0.3129



3.6731, 0.1537, 0.0733



0.3202, 0.1612, 0.1004

Inverse Universe

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



59.0733, 0.3215, 0.3267



88.1986, 0.3230, 0.3264



64.5925, 0.3185, 0.3441



12.8842, 0.3237, 0.3262



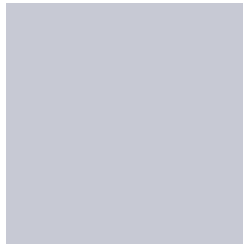
8.7156, 0.6179, 0.3177



0.5356, 0.5752, 0.2942

Previews

White Background



This preview shows how the Yxy color 58.6689, 0.3034, 0.3160 looks on a white background.

Color Contrast Check

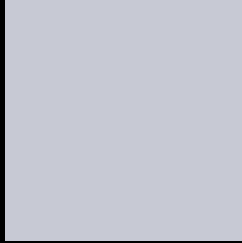
Large Text (above 18pt) WCAG AA × Fail

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 58.6689, 0.3034, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

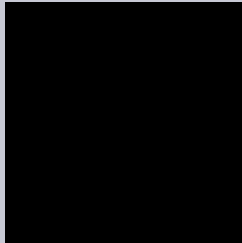
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

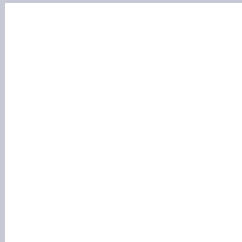
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.6689, 0.3034, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 58.6689, 0.3034, 0.3160.

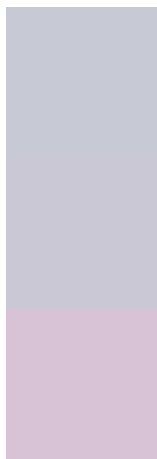


This preview shows how white text looks on a background with the Yxy color 58.6689, 0.3034, 0.3160.

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

58.6689, 0.3034, 0.3160

Protanopia

58.6186, 0.3057, 0.3150

Deuteranopia

58.2814, 0.3153, 0.3085



Tritanopia

58.5458, 0.3014, 0.3103

Trichromacy



Original Color

58.6689, 0.3034, 0.3160

Protanomaly

58.4795, 0.3049, 0.3149

Deuteranomaly

58.2919, 0.3105, 0.3106

Tritanomaly

58.4942, 0.3021, 0.3114

Monochromacy



Original Color

58.6689, 0.3034, 0.3160

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

59.1148, 0.3091, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6689, 0.3034, 0.3160 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, 201, 212)` looks like.

```
.text, #text, p{  
    color:rgb(199, 201, 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(199, 201, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 201, 212) }
```

Border

The CSS property to change the border of an element to Yxy 58.6689, 0.3034, 0.3160 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, 201, 212) }
```

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

```
.border{ border-color:rgb(199, 201, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 201, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 201, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 201, 212);  
box-shadow:4px 4px 4px 4px rgb(199, 201,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6689, 0.3034, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 201, 212) }
```

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

```
.background{ background-color: rgb(199,  
201, 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](#).

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