

Converting Colors

$Yxy(58.5829, 0.3108, 0.3176)$

Have a look what the booklet for
Yxy(58.5829, 0.3108, 0.3176)
contains.

Yxy(58.5721, 0.3109, 0.3174)	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(58.5721, 0.3109, 0.3174)

Conversions

Conversions Part 1

Format	Color
Hex	CEC7D1
RGB	206, 199, 209
RGB Percent	81%, 78%, 82%
CMY	0.1924, 0.2195, 0.1805
CMYK	0.01, 0.05, 0.00, 0.18
HSL	282°, 10%, 80%
HSV	282°, 5%, 82%
XYZ	57.3726, 58.5721, 68.5925
YIQ	202.2330, 0.9620, 4.5940

Conversions

Conversions Part 2

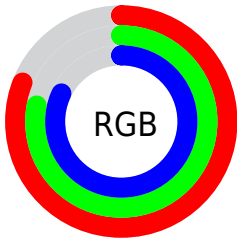
Format	Color
R _Y B	206, 199, 209
Decimal	13551569
CIE Lab	81.06, 4.22, -4.11
CIE LCh	81, 5.891, 315.742
Yxy	58.5721, 0.3109, 0.3174
Android (android.graphics.Color)	4291741649 (0xFFCEC7D1)
YUV	202.2330, 3.3361, 3.3037
Hunter-Lab	76.5324, -0.1190, 0.4338

Details

The Yxy color **58.5721, 0.3109, 0.3174** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.2833, 0.3144, 0.3407**, and the grayscale version is **59.1907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **29.2928, 0.3103, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **48.7138, 0.3065, 0.2919**, and if you desaturate by 10%, it is **69.7931, 0.3145, 0.3413**.

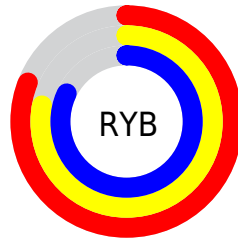
Distribution



Red (81%)

Green (78%)

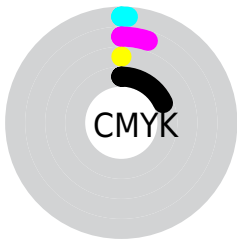
Blue (82%)



Red (81%)

Yellow (78%)

Blue (82%)

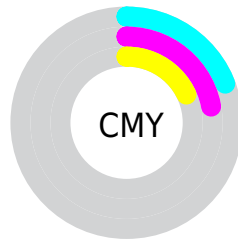


Cyan (1%)

Magenta (5%)

Yellow (0%)

Black (18%)



Cyan (19%)

Magenta (22%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.5721, 0.3109, 0.3174 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 58.5721, 0.3109, 0.3174 by changing the saturation by 10% instead.

■ 58.5721, 0.3109,
0.3174

■ 58.5721, 0.3109,
0.3174

419.3143, 0.3118,
0.3229

■ 42.2688, 0.3107,
0.3161

102.7555, 0.3112,
0.3194

■ 29.3118, 0.3104,
0.3144

131.4043, 0.3113,
0.3201

■ 19.3168, 0.3100,
0.3123

164.9372, 0.3114,
0.3208

■ 11.8994, 0.3095,
0.3095

203.7383, 0.3115,
0.3213

■ 6.6752, 0.3088,
0.3054

248.1922, 0.3116,
0.3218

■ 3.2598, 0.3077,
0.2993

298.6833, 0.3117,

■ 1.2688, 0.3056,

0.3222

0.2890

355.5958, 0.3117,
0.3226

0.1169, 0.2871,
0.1567

0.0000, 0.0000,
0.0000

58.5721, 0.3109,
0.3174

58.5721, 0.3109,
0.3174

48.7138, 0.3065,
0.2919

69.7931, 0.3145,
0.3413

40.1568, 0.3014,
0.2651

82.4202, 0.3175,
0.3633

32.8459, 0.2954,
0.2377

92.1417, 0.3205,
0.3769

26.7194, 0.2886,
0.2106

93.1859, 0.3246,
0.3763

■ 21.7098, 0.2811,
0.1848

■ 94.2688, 0.3287,
0.3757

■ 17.7429, 0.2731,
0.1614

■ 95.3908, 0.3329,
0.3751

■ 14.7353, 0.2648,
0.1417

■ 96.5523, 0.3370,
0.3745

■ 12.5902, 0.2565,
0.1265

■ 97.3827, 0.3400,
0.3741

■ 11.1900, 0.2485,
0.1161

Harmonies

Analogous

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



58.5721, 0.3038, 0.3160



58.5721, 0.3109, 0.3174



58.5721, 0.3186, 0.3218

Triad

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



58.5721, 0.3109, 0.3174



58.5721, 0.3265, 0.3400



58.5721, 0.3008, 0.3297

Complementary

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



58.5721, 0.3109, 0.3174



62.2833, 0.3144, 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.



58.5721, 0.3068, 0.3364



58.5721, 0.3109, 0.3174



58.5721, 0.3216, 0.3423

Square

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



58.5721, 0.3109, 0.3174



58.5721, 0.3276, 0.3348



58.5721, 0.3144, 0.3410



58.5721, 0.2980, 0.3230

Rectangle

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



58.5721, 0.3109, 0.3174



58.5721, 0.3230, 0.3259



58.5721, 0.3144, 0.3410



58.5721, 0.3025, 0.3321

Sweetspot

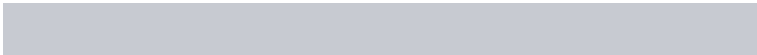
The Sweet Spot groups the original color and five complimentary colors.



58.5746, 0.3109, 0.3174



98.2366, 0.3123, 0.3266



59.0728, 0.3055, 0.3210



21.0453, 0.3124, 0.3267



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.



58.5746, 0.3109, 0.3174



89.7492, 0.3104, 0.3142



58.9236, 0.3146, 0.3196



12.4463, 0.3102, 0.3129



6.6176, 0.2455, 0.1126



0.4106, 0.2598, 0.1205

Inverse Universe

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



58.6781, 0.3183, 0.3255



89.9577, 0.3199, 0.3245



61.9488, 0.3109, 0.3386



12.4781, 0.3206, 0.3241



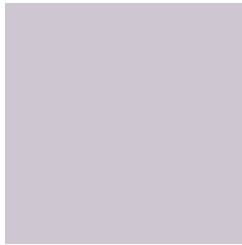
8.5998, 0.5728, 0.2929



0.4950, 0.5198, 0.2637

Previews

White Background



This preview shows how the Yxy color 58.5721, 0.3109, 0.3174 looks on a white background.

Color Contrast Check

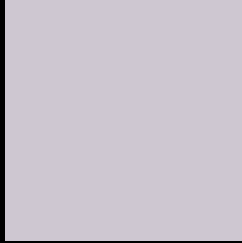
Large Text (above 18pt) WCAG AA × Fail

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 58.5721, 0.3109, 0.3174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

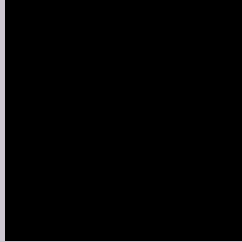
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

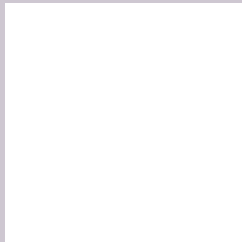
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.5721, 0.3109, 0.3174

Background



This preview shows how black text looks on a background with the Yxy color 58.5721, 0.3109, 0.3174.

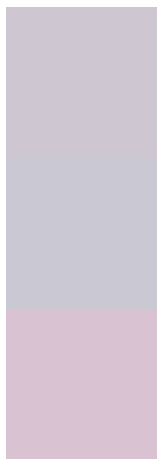


This preview shows how white text looks on a background with the Yxy color 58.5721, 0.3109, 0.3174.

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

58.5721, 0.3109, 0.3174

Protanopia

58.5183, 0.3071, 0.3173

Deuteranopia

58.4351, 0.3191, 0.3120



Tritanopia

58.5086, 0.3082, 0.3105

Trichromacy



Original Color

58.5721, 0.3109, 0.3174

Protanomaly

58.6582, 0.3079, 0.3173

Deuteranomaly

58.2791, 0.3158, 0.3130

Tritanomaly

58.4070, 0.3096, 0.3128

Monochromacy



Original Color

58.5721, 0.3109, 0.3174

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

58.8776, 0.3114, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5721, 0.3109, 0.3174 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(206, 199, 209)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 199, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 199, 209) }
```

Border

The CSS property to change the border of an element to Yxy 58.5721, 0.3109, 0.3174 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(206, 199, 209) }
```

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

```
.border{ border-color:rgb(206, 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(206, 199, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 199, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 199, 209);  
box-shadow:4px 4px 4px 4px rgb(206, 199,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5721, 0.3109, 0.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 199, 209) }
```

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

```
.background{ background-color: rgb(206,  
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