

Converting Colors

$Y_{xy}(58.4370, 0.2912, 0.2912)$

Have a look what the booklet for
Yxy(58.4370, 0.2912, 0.2912)
contains.

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Color

Yxy(58.4370, 0.2912, 0.2912)

Conversions

Conversions Part 1

Format	Color
Hex	C8C6E7
RGB	200, 198, 231
RGB Percent	78%, 78%, 91%
CMY	0.2157, 0.2235, 0.0941
CMYK	0.13, 0.14, 0.00, 0.09
HSL	244°, 41%, 84%
HSV	244°, 14%, 91%
XYZ	58.4370, 58.4370, 83.8025
YIQ	202.3600, -9.4010, 10.6870

Conversions

Conversions Part 2

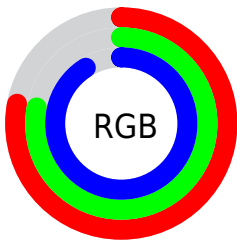
Format	Color
R _Y B	200, 198, 231
Decimal	13158119
CIE Lab	80.98, 7.14, -16.08
CIE LCh	81, 17.591, 293.942
Yxy	58.4370, 0.2912, 0.2912
Android (android.graphics.Color)	4291348199 (0xFFC8C6E7)
YUV	202.3600, 14.1195, -2.0697
Hunter-Lab	76.4441, 2.6755, -11.4863

Details

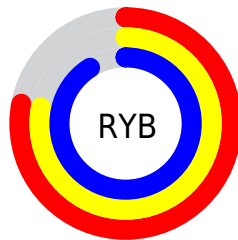
The Yxy color **58.4370, 0.2912, 0.2912** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.8908, 0.3327, 0.3645**, and the grayscale version is **59.2150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **29.1527, 0.2861, 0.2821** is the 20% darker color. If you saturate the color by 10%, you get **45.8925, 0.2737, 0.2608**, and if you desaturate by 10%, it is **73.0211, 0.3067, 0.3184**.

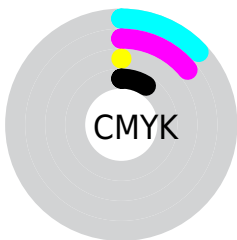
Distribution



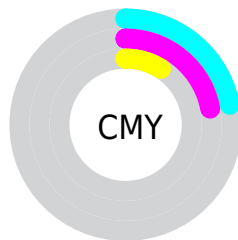
- Red (78%)
- Green (78%)
- Blue (91%)



- Red (78%)
- Yellow (78%)
- Blue (91%)



- Cyan (13%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (22%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4370, 0.2912, 0.2912 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 58.4370, 0.2912, 0.2912 by changing the saturation by 10% instead.

■ 58.4370, 0.2912,
0.2912

■ 58.4370, 0.2912,
0.2912

418.8123, 0.3016,
0.3090

■ 42.1601, 0.2887,
0.2871

102.5590, 0.2949,
0.2974

■ 29.2267, 0.2856,
0.2819

131.1728, 0.2963,
0.2999

■ 19.2523, 0.2815,
0.2753

164.6677, 0.2975,
0.3019

■ 11.8528, 0.2761,
0.2666

203.4281, 0.2986,
0.3037

■ 6.6435, 0.2684,
0.2545

247.8383, 0.2995,
0.3053

■ 3.2402, 0.2568,
0.2369

298.2829, 0.3003,

■ 1.2584, 0.2373,

0.3067

0.2088

355.1461, 0.3010,
0.3079

0.1086, 0.1676,
0.0656

0.0000, 0.0000,
0.0000

58.4370, 0.2912,
0.2912

58.4370, 0.2912,
0.2912

45.8925, 0.2737,
0.2608

73.0211, 0.3067,
0.3184

35.2897, 0.2544,
0.2276

89.7222, 0.3202,
0.3422

26.5339, 0.2338,
0.1926

98.5497, 0.3268,
0.3522

19.5191, 0.2129,
0.1576

■ 14.1290, 0.1930,
0.1249

■ 10.2329, 0.1758,
0.0971

■ 7.6799, 0.1626,
0.0767

■ 6.2872, 0.1542,
0.0646

■ 5.8628, 0.1514,
0.0608

Harmonies

Analogous

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



58.4370, 0.2754, 0.2937



58.4370, 0.2912, 0.2912



58.4370, 0.3132, 0.2981

Triad

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



58.4370, 0.2912, 0.2912



58.4370, 0.3580, 0.3500



58.4370, 0.2894, 0.3461

Complementary

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



58.4370, 0.2912, 0.2912



77.8908, 0.3327, 0.3645

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.



58.4370, 0.3109, 0.3629



58.4370, 0.2912, 0.2912



58.4370, 0.3509, 0.3643

Square

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



58.4370, 0.2912, 0.2912



58.4370, 0.3525, 0.3312



58.4370, 0.3335, 0.3695



58.4370, 0.2744, 0.3247

Rectangle

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



58.4370, 0.2912, 0.2912



58.4370, 0.3287, 0.3070



58.4370, 0.3335, 0.3695



58.4370, 0.2961, 0.3526

Sweetspot

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



58.4394, 0.2912, 0.2912



91.8913, 0.3071, 0.3190



74.0107, 0.2910, 0.3271



19.3524, 0.3060, 0.3171



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.



58.4394, 0.2912, 0.2912



68.4690, 0.2865, 0.2830



60.7826, 0.3031, 0.2925



13.9285, 0.2989, 0.3048



3.3042, 0.1519, 0.0611



0.2589, 0.1573, 0.0640

Inverse Universe

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



63.0376, 0.3158, 0.2958



75.2246, 0.3165, 0.2892



75.3556, 0.3212, 0.3658



14.5994, 0.3147, 0.3072



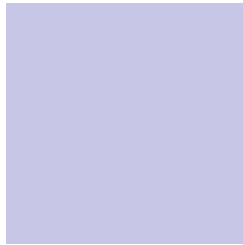
12.3406, 0.3366, 0.1628



0.9165, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 58.4370, 0.2912, 0.2912 looks on a white background.

Color Contrast Check

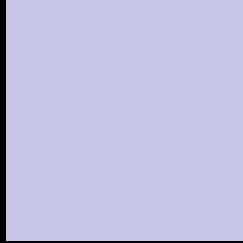
Large Text (above 18pt) WCAG AA × Fail

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 58.4370, 0.2912, 0.2912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

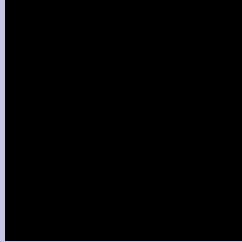
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.4370, 0.2912, 0.2912

Background



This preview shows how black text looks on a background with the Yxy color 58.4370, 0.2912, 0.2912.



This preview shows how white text looks on a background with the Yxy color 58.4370, 0.2912, 0.2912.

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

58.4370, 0.2912, 0.2912

Protanopia

58.2751, 0.2870, 0.2909

Deuteranopia

58.3712, 0.2956, 0.2894



Tritanopia

58.1367, 0.2992, 0.3102

Trichromacy



Original Color

58.4370, 0.2912, 0.2912

Protanomaly

58.5434, 0.2884, 0.2911

Deuteranomaly

58.5394, 0.2941, 0.2904

Tritanomaly

58.0731, 0.2965, 0.3033

Monochromacy



Original Color

58.4370, 0.2912, 0.2912

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

58.9949, 0.3042, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4370, 0.2912, 0.2912 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(200, 198, 231)` looks like.

```
.text, #text, p{  
    color:rgb(200, 198, 231)  
}
```

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(200, 198, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 198, 231) }
```

Border

The CSS property to change the border of an element to Yxy 58.4370, 0.2912, 0.2912 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(200, 198, 231) }
```

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

```
.border{ border-color:rgb(200, 198, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 198, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 198, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 198, 231);  
box-shadow:4px 4px 4px 4px rgb(200, 198,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4370, 0.2912, 0.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 198, 231) }
```

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

```
.background{ background-color: rgb(200,  
198, 231) }
```

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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