

Converting Colors

$Y_{xy}(59.2090, 0.2815, 0.3040)$

Have a look what the booklet for
Yxy(59.2090, 0.2815, 0.3040)
contains.

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Color

Yxy(58.9774, 0.2814, 0.3039)

Conversions

Conversions Part 1

Format	Color
Hex	B5CDE2
RGB	181, 205, 226
RGB Percent	71%, 80%, 89%
CMY	0.2904, 0.1960, 0.1136
CMYK	0.20, 0.09, 0.00, 0.11
HSL	208°, 44%, 80%
HSV	208°, 20%, 89%
XYZ	54.6109, 58.9774, 80.4802
YIQ	200.2180, -21.0450, 1.4430

Conversions

Conversions Part 2

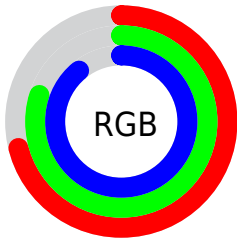
Format	Color
RYB	181, 197, 226
Decimal	11914722
CIELab	81.28, -3.64, -13.11
CIELCh	81, 13.603, 254.500
Yxy	58.9774, 0.2814, 0.3039
Android (android.graphics.Color)	4290104802 (0xFFB5CDE2)
YUV	200.2180, 12.7105, -16.8542
Hunter-Lab	76.7967, -7.4613, -8.3760

Details

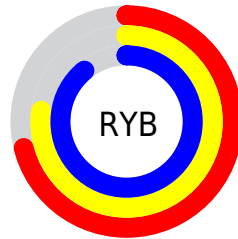
The Yxy color **58.9774, 0.2814, 0.3039** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.7409, 0.3476, 0.3529**, and the grayscale version is **57.8282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **29.6627, 0.2738, 0.2972** is the 20% darker color. If you saturate the color by 10%, you get **51.5910, 0.2652, 0.2893**, and if you desaturate by 10%, it is **67.1517, 0.2973, 0.3172**.

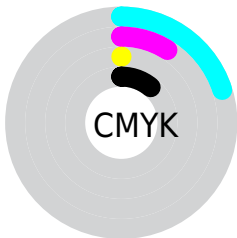
Distribution



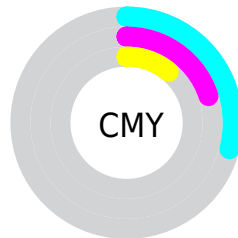
- Red (71%)
- Green (80%)
- Blue (89%)



- Red (71%)
- Yellow (77%)
- Blue (89%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9774, 0.2814, 0.3039 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 58.9774, 0.2814, 0.3039 by changing the saturation by 10% instead.

■ 58.9774, 0.2814,
0.3039

■ 58.9774, 0.2814,
0.3039

420.8182, 0.2963,
0.3160

■ 42.5949, 0.2779,
0.3010

■ 103.3448, 0.2867,
0.3082

■ 29.5674, 0.2735,
0.2974

132.0986, 0.2887,
0.3098

■ 19.5105, 0.2679,
0.2927

165.7448, 0.2904,
0.3112

■ 12.0397, 0.2604,
0.2864

204.6680, 0.2919,
0.3124

■ 6.7707, 0.2499,
0.2775

249.2526, 0.2932,
0.3135

■ 3.3191, 0.2343,
0.2640

299.8829, 0.2944,

■ 1.3005, 0.2089,

0.3144

0.2415

356.9432, 0.2954,
0.3153

0.1416, 0.0363,
0.1122

0.0000, 0.0000,
0.0000

58.9774, 0.2814,
0.3039

58.9774, 0.2814,
0.3039

51.5910, 0.2652,
0.2893

67.1517, 0.2973,
0.3172

44.9574, 0.2492,
0.2734

76.1330, 0.3128,
0.3291

39.0488, 0.2337,
0.2565

85.9486, 0.3276,
0.3397

33.8330, 0.2192,
0.2386

93.3839, 0.3306,
0.3497

■ 29.2744, 0.2062,
0.2204

■ 98.2728, 0.3297,
0.3571

■ 25.3332, 0.1951,
0.2021

■ 21.9632, 0.1864,
0.1842

■ 19.0899, 0.1798,
0.1672

■ 19.0741, 0.1798,
0.1671

Harmonies

Analogous

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



58.9774, 0.2794, 0.3153



58.9774, 0.2814, 0.3039



58.9774, 0.2916, 0.2994

Triad

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



58.9774, 0.2814, 0.3039



58.9774, 0.3401, 0.3261



58.9774, 0.3171, 0.3574

Complementary

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



58.9774, 0.2814, 0.3039



61.7409, 0.3476, 0.3529

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.



58.9774, 0.3337, 0.3598



58.9774, 0.2814, 0.3039



58.9774, 0.3473, 0.3411

Square

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



58.9774, 0.2814, 0.3039



58.9774, 0.3254, 0.3121



58.9774, 0.3449, 0.3536



58.9774, 0.2997, 0.3468

Rectangle

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



58.9774, 0.2814, 0.3039



58.9774, 0.3018, 0.3007



58.9774, 0.3449, 0.3536



58.9774, 0.3230, 0.3592

Sweetspot

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



58.9798, 0.2814, 0.3039



92.7442, 0.3034, 0.3220



68.4583, 0.2976, 0.3586



19.6871, 0.3024, 0.3212



0.0000, 0.0000, 0.0000



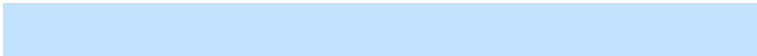
21.4041, 0.3127, 0.3290

Same Dimension

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



58.9798, 0.2814, 0.3039



73.3046, 0.2746, 0.2979



49.2665, 0.2797, 0.2770



14.4484, 0.2981, 0.3178



11.1184, 0.1805, 0.1697



0.9495, 0.1878, 0.1962

Inverse Universe

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



53.6137, 0.3318, 0.3020



65.2707, 0.3368, 0.2960



72.7018, 0.3431, 0.3762



13.8222, 0.3209, 0.3166



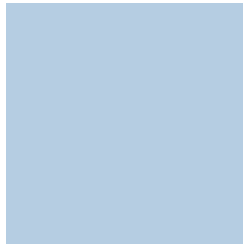
10.0304, 0.4810, 0.2423



0.7133, 0.4496, 0.2250

Previews

White Background



This preview shows how the Yxy color 58.9774, 0.2814, 0.3039 looks on a white background.

Color Contrast Check

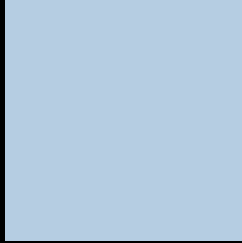
Large Text (above 18pt) WCAG AA × Fail

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 58.9774, 0.2814, 0.3039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

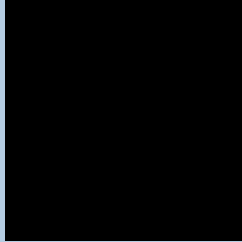
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

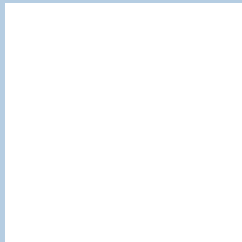
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.9774, 0.2814, 0.3039

Background



This preview shows how black text looks on a background with the Yxy color 58.9774, 0.2814, 0.3039.



This preview shows how white text looks on a background with the Yxy color 58.9774, 0.2814, 0.3039.

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

58.9774, 0.2814, 0.3039

Protanopia

58.7784, 0.2959, 0.3023

Deuteranopia

58.6366, 0.2998, 0.2929



Tritanopia

59.1198, 0.2833, 0.3097

Trichromacy



Original Color

58.9774, 0.2814, 0.3039

Protanomaly

58.8293, 0.2902, 0.3032

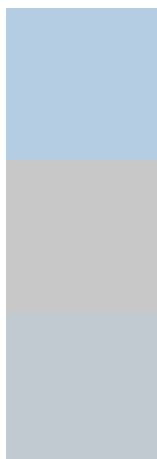
Deuteranomaly

58.5350, 0.2932, 0.2967

Tritanomaly

59.1736, 0.2827, 0.3086

Monochromacy



Original Color

58.9774, 0.2814, 0.3039

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

58.1820, 0.3010, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9774, 0.2814, 0.3039 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(181, 205, 226)` looks like.

```
.text, #text, p{  
    color:rgb(181, 205, 226)  
}
```

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(181, 205, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 205, 226) }
```

Border

The CSS property to change the border of an element to Yxy 58.9774, 0.2814, 0.3039 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(181, 205, 226) }
```

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

```
.border{ border-color:rgb(181, 205, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 205, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 205, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 205, 226);  
box-shadow:4px 4px 4px 4px rgb(181, 205,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9774, 0.2814, 0.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 205, 226) }
```

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

```
.background{ background-color: rgb(181,  
205, 226) }
```

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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