

Converting Colors

Yxy(58.7805, 0.2780, 0.2889)

Have a look what the booklet for
Yxy(58.7805, 0.2780, 0.2889)
contains.

Yxy(58.7946, 0.2778, 0.2883)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.7946, 0.2778, 0.2883)

Conversions

Conversions Part 1

Format	Color
Hex	BACAED
RGB	186, 202, 237
RGB Percent	73%, 79%, 93%
CMY	0.2707, 0.2078, 0.0706
CMYK	0.22, 0.15, 0.00, 0.07
HSL	221°, 59%, 83%
HSV	221°, 22%, 93%
XYZ	56.6533, 58.7946, 88.4876
YIQ	201.2060, -20.7710, 7.4930

Conversions

Conversions Part 2

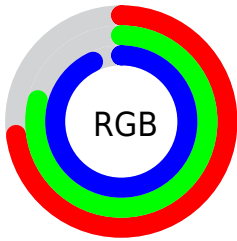
Format	Color
R _Y B	186, 198, 237
Decimal	12241645
CIE Lab	81.18, 1.92, -19.09
CIE LCh	81, 19.187, 275.734
Yxy	58.7946, 0.2778, 0.2883
Android (android.graphics.Color)	4290431725 (0xFFBACAED)
YUV	201.2060, 17.6464, -13.3357
Hunter-Lab	76.6776, -2.3011, -14.7476

Details

The Yxy color **58.7946, 0.2778, 0.2883** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **73.2525, 0.3485, 0.3666**, and the grayscale version is **58.4409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **29.4215, 0.2690, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **48.8394, 0.2600, 0.2660**, and if you desaturate by 10%, it is **70.0505, 0.2947, 0.3085**.

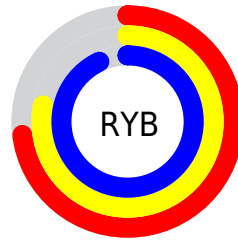
Distribution



Red (73%)

Green (79%)

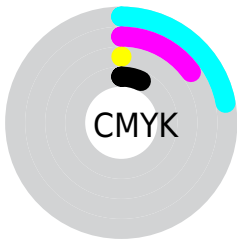
Blue (93%)



Red (73%)

Yellow (78%)

Blue (93%)

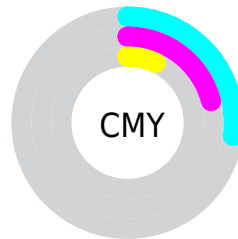


Cyan (22%)

Magenta (15%)

Yellow (0%)

Black (7%)



Cyan (27%)

Magenta (21%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7946, 0.2778, 0.2883 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 58.7946, 0.2778, 0.2883 by changing the saturation by 10% instead.

■ 58.7946, 0.2778,
0.2883

■ 58.7946, 0.2778,
0.2883

420.1403, 0.2945,
0.3076

■ 42.4478, 0.2739,
0.2838

■ 103.0791, 0.2837,
0.2951

■ 29.4521, 0.2690,
0.2782

131.7855, 0.2859,
0.2977

■ 19.4231, 0.2627,
0.2710

165.3807, 0.2879,
0.2999

■ 11.9764, 0.2544,
0.2615

204.2489, 0.2895,
0.3019

■ 6.7276, 0.2428,
0.2483

248.7746, 0.2910,
0.3036

■ 3.2923, 0.2256,
0.2291

299.3421, 0.2923,

■ 1.2862, 0.1983,

0.3051

0.1987

356.3359, 0.2934,
0.3064

0.1305, 0.0911,
0.0696

0.0000, 0.0000,
0.0000

58.7946, 0.2778,
0.2883

58.7946, 0.2778,
0.2883

48.8394, 0.2600,
0.2660

70.0505, 0.2947,
0.3085

40.1287, 0.2418,
0.2417

82.6462, 0.3104,
0.3264

32.6126, 0.2236,
0.2159

96.2306, 0.3236,
0.3423

26.2348, 0.2063,
0.1894

98.8948, 0.3232,
0.3464

■ 20.9337, 0.1906,
0.1632

■ 16.6411, 0.1774,
0.1385

■ 13.2791, 0.1673,
0.1164

■ 11.0718, 0.1613,
0.1005

Harmonies

Analogous

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



58.7946, 0.2668, 0.2972



58.7946, 0.2778, 0.2883



58.7946, 0.2982, 0.2898

Triad

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



58.7946, 0.2778, 0.2883



58.7946, 0.3601, 0.3395



58.7946, 0.3010, 0.3599

Complementary

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



58.7946, 0.2778, 0.2883



73.2525, 0.3485, 0.3666

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.



58.7946, 0.3259, 0.3719



58.7946, 0.2778, 0.2883



58.7946, 0.3606, 0.3588

Square

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



58.7946, 0.2778, 0.2883



58.7946, 0.3462, 0.3186



58.7946, 0.3479, 0.3711



58.7946, 0.2798, 0.3386

Rectangle

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



58.7946, 0.2778, 0.2883



58.7946, 0.3147, 0.2962



58.7946, 0.3479, 0.3711



58.7946, 0.3092, 0.3652

Sweetspot

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



58.7970, 0.2778, 0.2883



90.6989, 0.3035, 0.3186



76.2217, 0.2896, 0.3473



19.2042, 0.3025, 0.3175



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.



58.7970, 0.2778, 0.2883



63.8593, 0.2698, 0.2783



52.8722, 0.2832, 0.2701



15.3209, 0.2980, 0.3124



6.2514, 0.1621, 0.1034



0.6575, 0.1697, 0.1308

Inverse Universe

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



57.3807, 0.3429, 0.3116



62.1557, 0.3512, 0.3077



80.5539, 0.3385, 0.3839



15.1320, 0.3244, 0.3216



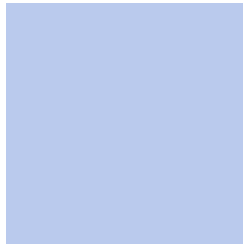
10.1239, 0.5708, 0.2918



0.8118, 0.5316, 0.2702

Previews

White Background



This preview shows how the Yxy color 58.7946, 0.2778, 0.2883 looks on a white background.

Color Contrast Check

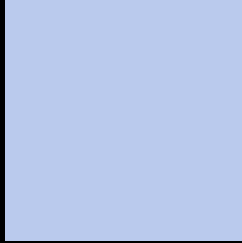
Large Text (above 18pt) WCAG AA × Fail

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 58.7946, 0.2778, 0.2883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

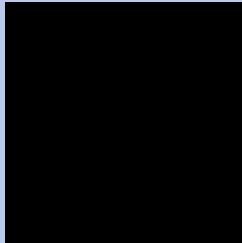
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

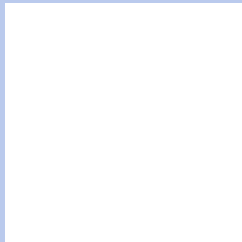
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.7946, 0.2778, 0.2883

Background



This preview shows how black text looks on a background with the Yxy color 58.7946, 0.2778, 0.2883.



This preview shows how white text looks on a background with the Yxy color 58.7946, 0.2778, 0.2883.

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

58.7946, 0.2778, 0.2883

Protanopia

58.9088, 0.2851, 0.2888

Deuteranopia

58.8021, 0.2887, 0.2828



Tritanopia

58.9504, 0.2860, 0.3098

Trichromacy



Original Color

58.7946, 0.2778, 0.2883

Protanomaly

59.0359, 0.2825, 0.2887

Deuteranomaly

58.8902, 0.2846, 0.2846

Tritanomaly

58.9221, 0.2828, 0.3017

Monochromacy



Original Color

58.7946, 0.2778, 0.2883

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

58.3641, 0.2998, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7946, 0.2778, 0.2883 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(186, 202, 237)` looks like.

```
.text, #text, p{  
    color:rgb(186, 202, 237)  
}
```

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(186, 202, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 202, 237) }
```

Border

The CSS property to change the border of an element to Yxy 58.7946, 0.2778, 0.2883 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(186, 202, 237) }
```

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

```
.border{ border-color:rgb(186, 202, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 202, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 202, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 202, 237);  
box-shadow:4px 4px 4px 4px rgb(186, 202,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7946, 0.2778, 0.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 202, 237) }
```

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

```
.background{ background-color: rgb(186,  
202, 237) }
```

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