

Converting Colors

$Yxy(55.8944, 0.2850, 0.2798)$

Have a look what the booklet for
Yxy(55.8944, 0.2850, 0.2798)
contains.

Yxy(55.9318, 0.2848, 0.2796)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.9318, 0.2848, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	C4C1EC
RGB	196, 193, 236
RGB Percent	77%, 76%, 93%
CMY	0.2314, 0.2431, 0.0746
CMYK	0.17, 0.18, 0.00, 0.07
HSL	244°, 53%, 84%
HSV	244°, 18%, 93%
XYZ	56.9720, 55.9318, 87.1384
YIQ	198.7990, -12.0150, 14.0090

Conversions

Conversions Part 2

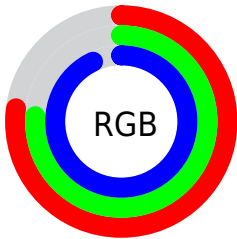
Format	Color
R _Y B	196, 193, 236
Decimal	12894700
CIE Lab	79.57, 9.62, -20.90
CIE LCh	80, 23.008, 294.707
Yxy	55.9318, 0.2848, 0.2796
Android (android.graphics.Color)	4291084780 (0xFFC4C1EC)
YUV	198.7990, 18.3401, -2.4547
Hunter-Lab	74.7876, 5.1003, -16.7302

Details

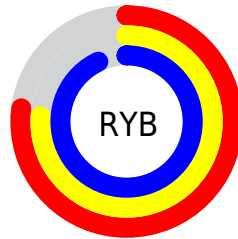
The Yxy color **55.9318, 0.2848, 0.2796** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.1570, 0.3380, 0.3746**, and the grayscale version is **56.8760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8540, 0.3117, 0.3233**, and **27.8022, 0.2777, 0.2684** is the 20% darker color. If you saturate the color by 10%, you get **43.5869, 0.2667, 0.2480**, and if you desaturate by 10%, it is **70.3770, 0.3010, 0.3081**.

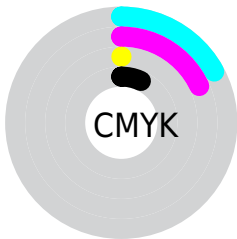
Distribution



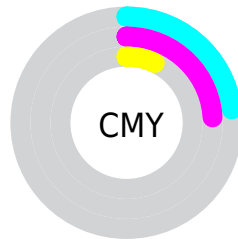
- Red (77%)
- Green (76%)
- Blue (93%)



- Red (77%)
- Yellow (76%)
- Blue (93%)



- Cyan (17%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (23%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9318, 0.2848, 0.2796 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 55.9318, 0.2848, 0.2796 by changing the saturation by 10% instead.

■ 55.9318, 0.2848,
0.2796

■ 55.9318, 0.2848,
0.2796

409.4344, 0.2984,
0.3029

■ 40.1482, 0.2815,
0.2742

■ 98.9049, 0.2896,
0.2877

■ 27.6541, 0.2774,
0.2675

126.8631, 0.2915,
0.2909

■ 18.0651, 0.2721,
0.2589

159.6485, 0.2931,
0.2936

■ 10.9967, 0.2649,
0.2477

197.6452, 0.2944,
0.2959

■ 6.0646, 0.2547,
0.2322

241.2378, 0.2956,
0.2980

■ 2.8844, 0.2394,
0.2099

290.8106, 0.2966,

■ 1.0717, 0.2140,

0.2998

0.1752

346.7480, 0.2976,
0.3014

0.0000, 0.1136,
0.0000

0.0000, 0.0000,
0.0000

55.9318, 0.2848,
0.2796

55.9318, 0.2848,
0.2796

43.5869, 0.2667,
0.2480

70.3770, 0.3010,
0.3081

33.2378, 0.2469,
0.2140

87.0066, 0.3151,
0.3333

24.7819, 0.2262,
0.1788

98.8353, 0.3238,
0.3474

18.1042, 0.2056,
0.1444

■ 13.0776, 0.1865,
0.1134

■ 9.5577, 0.1706,
0.0883

■ 7.3755, 0.1591,
0.0711

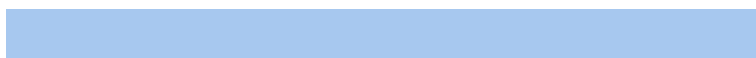
■ 6.2991, 0.1525,
0.0620

■ 6.1690, 0.1517,
0.0609

Harmonies

Analogous

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



55.9318, 0.2640, 0.2821



55.9318, 0.2848, 0.2796



55.9318, 0.3140, 0.2890

Triad

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



55.9318, 0.2848, 0.2796



55.9318, 0.3730, 0.3568



55.9318, 0.2811, 0.3511

Complementary

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



55.9318, 0.2848, 0.2796



81.1570, 0.3380, 0.3746

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.



55.9318, 0.3092, 0.3742



55.9318, 0.2848, 0.2796



55.9318, 0.3629, 0.3759

Square

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



55.9318, 0.2848, 0.2796



55.9318, 0.3661, 0.3320



55.9318, 0.3392, 0.3831



55.9318, 0.2619, 0.3222

Rectangle

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



55.9318, 0.2848, 0.2796



55.9318, 0.3345, 0.3007



55.9318, 0.3392, 0.3831



55.9318, 0.2898, 0.3600

Sweetspot

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



55.9341, 0.2848, 0.2796



89.9521, 0.3057, 0.3165



75.7401, 0.2852, 0.3257



18.9627, 0.3047, 0.3147



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.



55.9341, 0.2848, 0.2796



60.6891, 0.2780, 0.2677



59.0063, 0.3006, 0.2818



14.5989, 0.2991, 0.3047



3.4207, 0.1522, 0.0612



0.2861, 0.1580, 0.0644

Inverse Universe

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



61.8573, 0.3170, 0.2868



69.0323, 0.3180, 0.2777



77.7758, 0.3230, 0.3768



15.2947, 0.3149, 0.3074



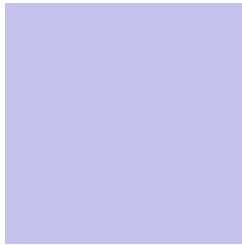
12.6745, 0.3391, 0.1642



1.0007, 0.3363, 0.1627

Previews

White Background



This preview shows how the Yxy color 55.9318, 0.2848, 0.2796 looks on a white background.

Color Contrast Check

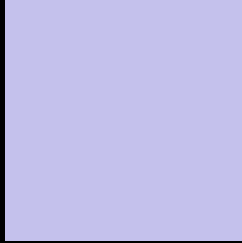
Large Text (above 18pt) WCAG AA × Fail

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 55.9318, 0.2848, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

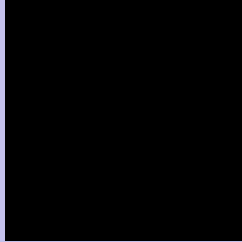
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.9318, 0.2848, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 55.9318, 0.2848, 0.2796.



This preview shows how white text looks on a background with the Yxy color 55.9318, 0.2848, 0.2796.

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

55.9318, 0.2848, 0.2796

Protanopia

55.8946, 0.2780, 0.2790

Deuteranopia

56.0664, 0.2855, 0.2797



Tritanopia

55.9431, 0.2975, 0.3098

Trichromacy



Original Color

55.9318, 0.2848, 0.2796

Protanomaly

55.7744, 0.2806, 0.2792

Deuteranomaly

56.0664, 0.2855, 0.2797

Tritanomaly

56.0378, 0.2927, 0.2994

Monochromacy



Original Color

55.9318, 0.2848, 0.2796

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

56.6917, 0.3027, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9318, 0.2848, 0.2796 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(196, 193, 236)` looks like.

```
.text, #text, p{  
    color:rgb(196, 193, 236)  
}
```

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(196, 193, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 193, 236) }
```

Border

The CSS property to change the border of an element to Yxy 55.9318, 0.2848, 0.2796 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(196, 193, 236) }
```

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

```
.border{ border-color:rgb(196, 193, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 193, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 193, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 193, 236);  
box-shadow:4px 4px 4px 4px rgb(196, 193,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9318, 0.2848, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 193, 236) }
```

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

```
.background{ background-color: rgb(196,  
193, 236) }
```

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