

Converting Colors

Yxy(58.2687, 0.2896, 0.2936)

Have a look what the booklet for
Yxy(58.2687, 0.2896, 0.2936)
contains.

| | |
|--|----|
| Yxy(58.2958, 0.2890, 0.2932) | 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(58.2958, 0.2890, 0.2932)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | C4C7E6 |
| RGB | 196, 199, 230 |
| RGB Percent | 77%, 78%, 90% |
| CMY | 0.2315, 0.2195, 0.0981 |
| CMYK | 0.15, 0.13, 0.00, 0.10 |
| HSL | 235°, 40%, 84% |
| HSV | 235°, 15%, 90% |
| XYZ | 57.4607, 58.2958, 83.0695 |
| YIQ | 201.6370, -11.7390, 9.0050 |

Conversions

Conversions Part 2

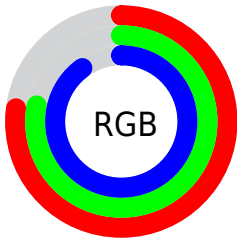
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 196, 199, 230 |
| Decimal | 12896230 |
| CIE Lab | 80.90, 5.09, -15.68 |
| CIE LCh | 81, 16.483, 288.004 |
| Yxy | 58.2958, 0.2890, 0.2932 |
| Android (android.graphics.Color) | 4291086310 (0xFFC4C7E6) |
| YUV | 201.6370, 13.9830, -4.9436 |
| Hunter-Lab | 76.3517, 0.7200, -11.0605 |

Details

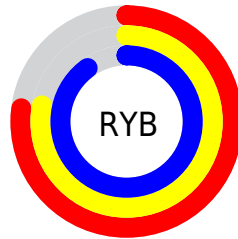
The Yxy color **58.2958, 0.2890, 0.2932** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.6973, 0.3353, 0.3624**, and the grayscale version is **58.7391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **29.0576, 0.2832, 0.2846** is the 20% darker color. If you saturate the color by 10%, you get **46.4683, 0.2708, 0.2652**, and if you desaturate by 10%, it is **71.9255, 0.3055, 0.3181**.

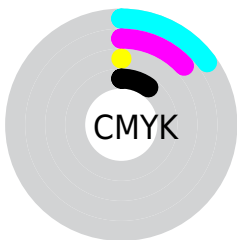
Distribution



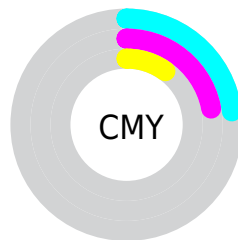
- Red (77%)
- Green (78%)
- Blue (90%)



- Red (77%)
- Yellow (78%)
- Blue (90%)



- Cyan (15%)
- Magenta (13%)
- Yellow (0%)
- Black (10%)



- Cyan (23%)
- Magenta (22%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2958, 0.2890, 0.2932 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 58.2958, 0.2890, 0.2932 by changing the saturation by 10% instead.

■ 58.2958, 0.2890,
0.2932

■ 58.2958, 0.2890,
0.2932

418.2872, 0.3004,
0.3102

■ 42.0465, 0.2863,
0.2892

102.3535, 0.2931,
0.2992

■ 29.1377, 0.2829,
0.2843

130.9307, 0.2946,
0.3014

■ 19.1850, 0.2785,
0.2780

164.3859, 0.2959,
0.3034

■ 11.8040, 0.2725,
0.2696

203.1037, 0.2971,
0.3051

■ 6.6104, 0.2642,
0.2579

247.4683, 0.2981,
0.3066

■ 3.2197, 0.2516,
0.2408

297.8641, 0.2989,

■ 1.2475, 0.2306,

0.3079

0.2133

354.6757, 0.2997,
0.3091

0.1000, 0.1420,
0.0647

0.0000, 0.0000,
0.0000

58.2958, 0.2890,
0.2932

58.2958, 0.2890,
0.2932

46.4683, 0.2708,
0.2652

71.9255, 0.3055,
0.3181

36.3605, 0.2510,
0.2344

87.4208, 0.3201,
0.3400

27.8944, 0.2304,
0.2017

98.4919, 0.3274,
0.3532

20.9830, 0.2098,
0.1683

■ 15.5312, 0.1905,
0.1363

■ 11.4337, 0.1740,
0.1079

■ 8.5705, 0.1615,
0.0853

■ 6.8004, 0.1538,
0.0700

■ 6.2365, 0.1514,
0.0649

Harmonies

Analogous

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



58.2958, 0.2758, 0.2974



58.2958, 0.2890, 0.2932



58.2958, 0.3089, 0.2980

Triad

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



58.2958, 0.2890, 0.2932



58.2958, 0.3551, 0.3455



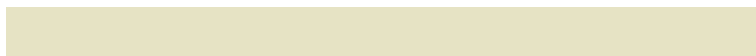
58.2958, 0.2945, 0.3487

Complementary

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



58.2958, 0.2890, 0.2932



75.6973, 0.3353, 0.3624

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.



58.2958, 0.3154, 0.3628



58.2958, 0.2890, 0.2932



58.2958, 0.3507, 0.3601

Square

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



58.2958, 0.2890, 0.2932



58.2958, 0.3476, 0.3275



58.2958, 0.3360, 0.3668



58.2958, 0.2789, 0.3291

Rectangle

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



58.2958, 0.2890, 0.2932



58.2958, 0.3235, 0.3056



58.2958, 0.3360, 0.3668



58.2958, 0.3011, 0.3543

Sweetspot

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



58.2982, 0.2890, 0.2932



92.3361, 0.3067, 0.3199



73.8346, 0.2923, 0.3328



19.4644, 0.3055, 0.3182



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.



58.2982, 0.2890, 0.2932



68.4926, 0.2831, 0.2843



58.8124, 0.2989, 0.2907



14.0944, 0.2980, 0.3069



3.6065, 0.1517, 0.0661



0.3386, 0.1560, 0.0816

Inverse Universe

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



60.4060, 0.3379, 0.3257



71.7256, 0.3447, 0.3249



75.2207, 0.3251, 0.3667



14.3889, 0.3278, 0.3269



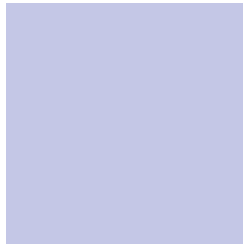
9.5618, 0.6297, 0.3242



0.7139, 0.6044, 0.3103

Previews

White Background



This preview shows how the Yxy color 58.2958, 0.2890, 0.2932 looks on a white background.

Color Contrast Check

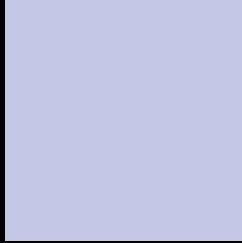
Large Text (above 18pt) WCAG AA × Fail

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 58.2958, 0.2890, 0.2932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

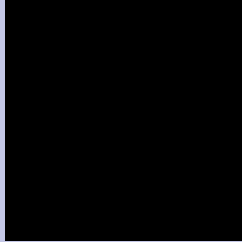
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

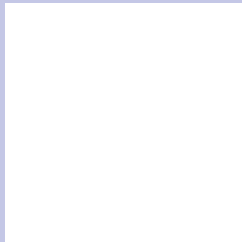
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.2958, 0.2890, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 58.2958, 0.2890, 0.2932.



This preview shows how white text looks on a background with the Yxy color 58.2958, 0.2890, 0.2932.

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

58.2958, 0.2890, 0.2932

Protanopia

58.1621, 0.2883, 0.2931

Deuteranopia

58.3712, 0.2956, 0.2894



Tritanopia

58.2524, 0.2963, 0.3101

Trichromacy



Original Color

58.2958, 0.2890, 0.2932

Protanomaly

58.1621, 0.2883, 0.2931

Deuteranomaly

58.2586, 0.2926, 0.2902

Tritanomaly

58.1846, 0.2936, 0.3032

Monochromacy



Original Color

58.2958, 0.2890, 0.2932

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

58.8061, 0.3042, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2958, 0.2890, 0.2932 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, 199, 230)` looks like.

```
.text, #text, p{  
    color:rgb(196, 199, 230)  
}
```

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, 199, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 199, 230) }
```

Border

The CSS property to change the border of an element to Yxy 58.2958, 0.2890, 0.2932 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, 199, 230) }
```

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

```
.border{ border-color:rgb(196, 199, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 199, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 199, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 199, 230);  
box-shadow:4px 4px 4px 4px rgb(196, 199,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2958, 0.2890, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 199, 230) }
```

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

```
.background{ background-color: rgb(196,  
199, 230) }
```

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