

Converting Colors

Yxy(64.1194, 0.2887, 0.3031)

Have a look what the booklet for
Yxy(64.1194, 0.2887, 0.3031)
contains.

Yxy(63.9821, 0.2890, 0.3029)	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(63.9821, 0.2890, 0.3029)

Conversions

Conversions Part 1

Format	Color
Hex	C6D2E9
RGB	198, 210, 233
RGB Percent	78%, 82%, 91%
CMY	0.2234, 0.1765, 0.0864
CMYK	0.15, 0.10, 0.00, 0.09
HSL	219°, 44%, 85%
HSV	219°, 15%, 91%
XYZ	61.0460, 63.9821, 86.2037
YIQ	209.0340, -14.5350, 4.6090

Conversions

Conversions Part 2

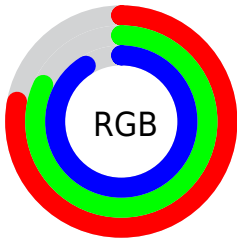
Format	Color
R _Y B	198, 207, 233
Decimal	13030121
CIE Lab	83.96, 0.55, -12.68
CIE LCh	84, 12.693, 272.480
Yxy	63.9821, 0.2890, 0.3029
Android (android.graphics.Color)	4291220201 (0xFFC6D2E9)
YUV	209.0340, 11.8152, -9.6768
Hunter-Lab	79.9888, -3.7525, -7.9045

Details

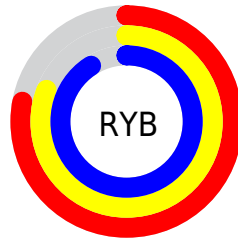
The Yxy color **63.9821, 0.2890, 0.3029** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.1149, 0.3370, 0.3538**, and the grayscale version is **63.7161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.8806, 0.2835, 0.2976** is the 20% darker color. If you saturate the color by 10%, you get **53.8525, 0.2719, 0.2829**, and if you desaturate by 10%, it is **75.3280, 0.3051, 0.3208**.

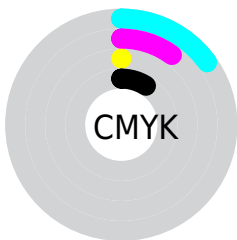
Distribution



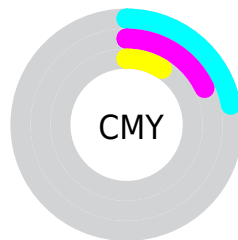
- Red (78%)
- Green (82%)
- Blue (91%)



- Red (78%)
- Yellow (81%)
- Blue (91%)



- Cyan (15%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)



- Cyan (22%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9821, 0.2890, 0.3029 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 63.9821, 0.2890, 0.3029 by changing the saturation by 10% instead.

■ 63.9821, 0.2890,
0.3029

■ 63.9821, 0.2890,
0.3029

439.1250, 0.3002,
0.3152

■ 46.6362, 0.2864,
0.3000

110.5852, 0.2929,
0.3072

■ 32.7481, 0.2832,
0.2965

140.6111, 0.2944,
0.3089

■ 21.9336, 0.2790,
0.2919

175.6325, 0.2957,
0.3103

■ 13.8081, 0.2735,
0.2859

216.0337, 0.2969,
0.3115

■ 7.9873, 0.2659,
0.2776

262.1992, 0.2978,
0.3126

■ 4.0868, 0.2547,
0.2654

314.5133, 0.2987,

■ 1.7223, 0.2367,

0.3136

0.2459

373.3604, 0.2995,
0.3144

0.4380, 0.1877,
0.1914

0.0000, 0.0000,
0.0000

63.9821, 0.2890,
0.3029

63.9821, 0.2890,
0.3029

53.8525, 0.2719,
0.2829

75.3280, 0.3051,
0.3208

44.8888, 0.2542,
0.2609

87.9224, 0.3201,
0.3367

37.0487, 0.2362,
0.2371

98.6618, 0.3256,
0.3503

30.2839, 0.2186,
0.2121

■ 24.5423, 0.2021,
0.1866

■ 19.7668, 0.1875,
0.1615

■ 15.8934, 0.1756,
0.1380

■ 12.8475, 0.1667,
0.1171

■ 11.5888, 0.1633,
0.1078

Harmonies

Analogous

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



63.9821, 0.2825, 0.3097



63.9821, 0.2890, 0.3029



63.9821, 0.3018, 0.3029

Triad

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



63.9821, 0.2890, 0.3029



63.9821, 0.3424, 0.3347



63.9821, 0.3070, 0.3497

Complementary

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



63.9821, 0.2890, 0.3029



73.1149, 0.3370, 0.3538

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.



63.9821, 0.3231, 0.3566



63.9821, 0.2890, 0.3029



63.9821, 0.3438, 0.3474

Square

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



63.9821, 0.2890, 0.3029



63.9821, 0.3328, 0.3210



63.9821, 0.3366, 0.3555



63.9821, 0.2928, 0.3369

Rectangle

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



63.9821, 0.2890, 0.3029



63.9821, 0.3124, 0.3067



63.9821, 0.3366, 0.3555



63.9821, 0.3124, 0.3528

Sweetspot

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



63.9848, 0.2890, 0.3029



93.9119, 0.3066, 0.3225



75.4808, 0.2971, 0.3427



19.8619, 0.3054, 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.



63.9848, 0.2890, 0.3029



74.5433, 0.2838, 0.2969



59.0191, 0.2923, 0.2894



15.3924, 0.2980, 0.3131



6.7845, 0.1641, 0.1105



0.7059, 0.1717, 0.1382

Inverse Universe

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



62.3751, 0.3315, 0.3160



72.3365, 0.3361, 0.3132



78.7931, 0.3315, 0.3666



15.1392, 0.3239, 0.3210



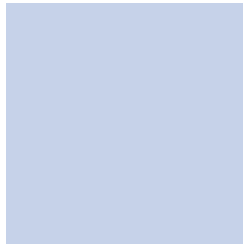
10.1777, 0.5602, 0.2860



0.8167, 0.5215, 0.2647

Previews

White Background



This preview shows how the Yxy color 63.9821, 0.2890, 0.3029 looks on a white background.

Color Contrast Check

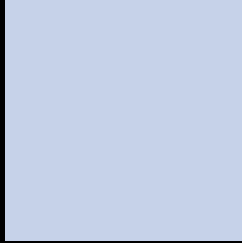
Large Text (above 18pt) WCAG AA × Fail

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 63.9821, 0.2890, 0.3029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

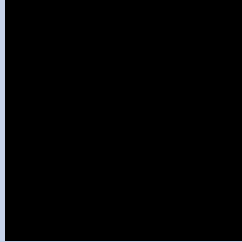
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.9821, 0.2890, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 63.9821, 0.2890, 0.3029.

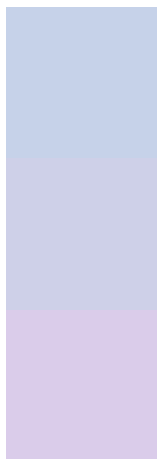


This preview shows how white text looks on a background with the Yxy color 63.9821, 0.2890, 0.3029.

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

63.9821, 0.2890, 0.3029

Protanopia

64.0598, 0.2951, 0.3021

Deuteranopia

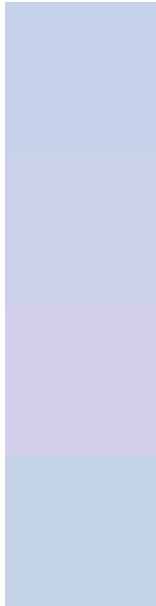
64.0317, 0.3024, 0.2962



Tritanopia

64.0603, 0.2915, 0.3095

Trichromacy



Original Color

63.9821, 0.2890, 0.3029

Protanomaly

64.1236, 0.2930, 0.3031

Deuteranomaly

63.9320, 0.2973, 0.2980

Tritanomaly

64.1720, 0.2902, 0.3073

Monochromacy



Original Color

63.9821, 0.2890, 0.3029

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.6420, 0.3036, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9821, 0.2890, 0.3029 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(198, 210, 233)` looks like.

```
.text, #text, p{  
    color:rgb(198, 210, 233)  
}
```

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(198, 210, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 210, 233) }
```

Border

The CSS property to change the border of an element to Yxy 63.9821, 0.2890, 0.3029 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(198, 210, 233) }
```

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

```
.border{ border-color:rgb(198, 210, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 210, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 210, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 210, 233);  
box-shadow:4px 4px 4px 4px rgb(198, 210,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9821, 0.2890, 0.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 210, 233) }
```

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

```
.background{ background-color: rgb(198,  
210, 233) }
```

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