

Converting Colors

Yxy(58.8662, 0.2983, 0.3033)

Have a look what the booklet for
Yxy(58.8662, 0.2983, 0.3033)
contains.

Yxy(59.0000, 0.2980, 0.3035)	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(59.0000, 0.2980, 0.3035)

Conversions

Conversions Part 1

Format	Color
Hex	C9C8DE
RGB	201, 200, 222
RGB Percent	79%, 78%, 87%
CMY	0.2117, 0.2157, 0.1293
CMYK	0.09, 0.10, 0.00, 0.13
HSL	243°, 25%, 83%
HSV	243°, 10%, 87%
XYZ	57.9308, 59.0000, 77.4679
YIQ	202.8070, -6.4660, 7.0540

Conversions

Conversions Part 2

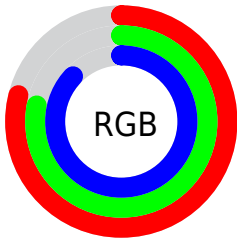
Format	Color
R _Y B	201, 200, 222
Decimal	13224158
CIE Lab	81.29, 4.57, -10.80
CIE LCh	81, 11.729, 292.928
Yxy	59.0000, 0.2980, 0.3035
Android (android.graphics.Color)	4291414238 (0xFFC9C8DE)
YUV	202.8070, 9.4621, -1.5847
Hunter-Lab	76.8115, 0.2037, -6.0287

Details

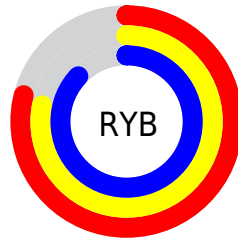
The Yxy color $59.0000, 0.2980, 0.3035$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $71.8104, 0.3267, 0.3534$, and the grayscale version is $59.5389, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $29.5508, 0.2942, 0.2968$ is the 20% darker color. If you saturate the color by 10%, you get $46.7163, 0.2811, 0.2745$, and if you desaturate by 10%, it is $73.1874, 0.3128, 0.3292$.

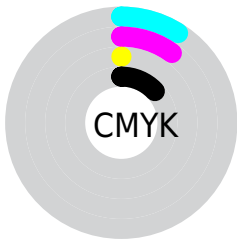
Distribution



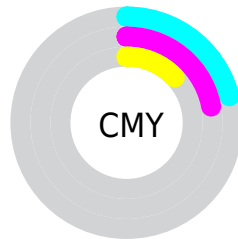
- Red (79%)
- Green (78%)
- Blue (87%)



- Red (79%)
- Yellow (78%)
- Blue (87%)



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (21%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0000, 0.2980, 0.3035 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 59.0000, 0.2980, 0.3035 by changing the saturation by 10% instead.

■ 59.0000, 0.2980,
0.3035

■ 59.0000, 0.2980,
0.3035

420.9019, 0.3051,
0.3156

■ 42.6131, 0.2963,
0.3007

103.3777, 0.3005,
0.3078

■ 29.5817, 0.2942,
0.2971

132.1372, 0.3015,
0.3094

■ 19.5213, 0.2914,
0.2925

165.7898, 0.3023,
0.3108

■ 12.0476, 0.2877,
0.2865

204.7198, 0.3030,
0.3120

■ 6.7761, 0.2824,
0.2780

249.3117, 0.3036,
0.3131

■ 3.3225, 0.2743,
0.2653

299.9497, 0.3042,

■ 1.3023, 0.2606,

0.3140

0.2445

357.0183, 0.3047,
0.3149

0.1430, 0.1902,
0.1099

0.0000, 0.0000,
0.0000

59.0000, 0.2980,
0.3035

59.0000, 0.2980,
0.3035

46.7163, 0.2811,
0.2745

73.1874, 0.3128,
0.3292

36.2483, 0.2623,
0.2424

89.3467, 0.3257,
0.3516

27.5121, 0.2420,
0.2080

98.0560, 0.3321,
0.3611

20.4143, 0.2210,
0.1727

■ 14.8527, 0.2004,
0.1385

■ 10.7137, 0.1818,
0.1083

■ 7.8680, 0.1669,
0.0844

■ 6.1626, 0.1566,
0.0686

■ 5.3458, 0.1511,
0.0607

Harmonies

Analogous

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



59.0000, 0.2875, 0.3056



59.0000, 0.2980, 0.3035



59.0000, 0.3127, 0.3079

Triad

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



59.0000, 0.2980, 0.3035



59.0000, 0.3427, 0.3429



59.0000, 0.2977, 0.3408

Complementary

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



59.0000, 0.2980, 0.3035



71.8104, 0.3267, 0.3534

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.



59.0000, 0.3122, 0.3515



59.0000, 0.2980, 0.3035



59.0000, 0.3384, 0.3524

Square

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



59.0000, 0.2980, 0.3035



59.0000, 0.3388, 0.3302



59.0000, 0.3271, 0.3557



59.0000, 0.2873, 0.3269

Rectangle

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



59.0000, 0.2980, 0.3035



59.0000, 0.3229, 0.3139



59.0000, 0.3271, 0.3557



59.0000, 0.3022, 0.3449

Sweetspot

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



59.0025, 0.2980, 0.3035



93.8572, 0.3084, 0.3216



69.4286, 0.2975, 0.3281



19.7468, 0.3073, 0.3196



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.



59.0025, 0.2980, 0.3035



76.8820, 0.2945, 0.2975



60.5449, 0.3060, 0.3041



13.2729, 0.2988, 0.3048



3.1843, 0.1515, 0.0608



0.2314, 0.1558, 0.0632

Inverse Universe

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



62.0664, 0.3146, 0.3058



81.9171, 0.3150, 0.3006



70.1763, 0.3189, 0.3540



13.9243, 0.3145, 0.3069



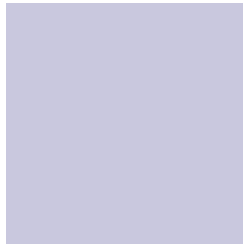
12.0490, 0.3326, 0.1606



0.8386, 0.3306, 0.1595

Previews

White Background



This preview shows how the Yxy color 59.0000, 0.2980, 0.3035 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 59.0000, 0.2980, 0.3035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

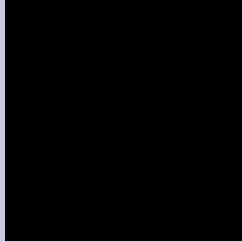
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

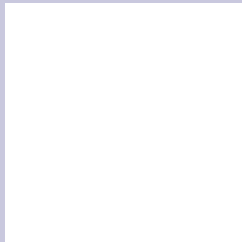
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.0000, 0.2980, 0.3035

Background



This preview shows how black text looks on a background with the Yxy color 59.0000, 0.2980, 0.3035.

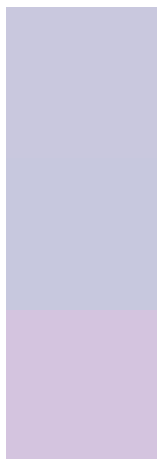


This preview shows how white text looks on a background with the Yxy color 59.0000, 0.2980, 0.3035.

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

59.0000, 0.2980, 0.3035

Protanopia

58.7246, 0.2965, 0.3034

Deuteranopia

58.8046, 0.3056, 0.2985



Tritanopia

59.0624, 0.3007, 0.3103

Trichromacy



Original Color

59.0000, 0.2980, 0.3035

Protanomaly

58.8618, 0.2973, 0.3035

Deuteranomaly

58.6701, 0.3026, 0.2994

Tritanomaly

59.1671, 0.2993, 0.3081

Monochromacy



Original Color

59.0000, 0.2980, 0.3035

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

59.4508, 0.3070, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0000, 0.2980, 0.3035 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(201, 200, 222)` looks like.

```
.text, #text, p{  
    color:rgb(201, 200, 222)  
}
```

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(201, 200, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 200, 222) }
```

Border

The CSS property to change the border of an element to Yxy 59.0000, 0.2980, 0.3035 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(201, 200, 222) }
```

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

```
.border{ border-color:rgb(201, 200, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 200, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 200, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 200, 222);  
box-shadow:4px 4px 4px 4px rgb(201, 200,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0000, 0.2980, 0.3035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 200, 222) }
```

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

```
.background{ background-color: rgb(201,  
200, 222) }
```

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