

Converting Colors

Yxy(68.0312, 0.2988, 0.3059)

Have a look what the booklet for
Yxy(68.0312, 0.2988, 0.3059)
contains.

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Color

Yxy(67.8828, 0.2988, 0.3050)

Conversions

Conversions Part 1

Format	Color
Hex	D6D5EB
RGB	214, 213, 235
RGB Percent	84%, 84%, 92%
CMY	0.1611, 0.1646, 0.0785
CMYK	0.09, 0.09, 0.00, 0.08
HSL	242°, 35%, 88%
HSV	242°, 9%, 92%
XYZ	66.5029, 67.8828, 88.1809
YIQ	215.8070, -6.4660, 7.0540

Conversions

Conversions Part 2

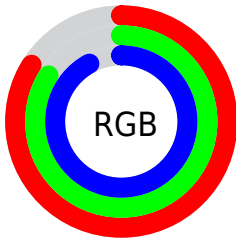
Format	Color
R _Y B	214, 213, 235
Decimal	14079467
CIE Lab	85.95, 4.46, -10.65
CIE LCh	86, 11.546, 292.697
Yxy	67.8828, 0.2988, 0.3050
Android (android.graphics.Color)	4292269547 (0xFFD6D5EB)
YUV	215.8070, 9.4621, -1.5847
Hunter-Lab	82.3910, -0.1059, -5.7828

Details

The Yxy color **67.8828, 0.2988, 0.3050** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81.7193, 0.3260, 0.3520**, and the grayscale version is **68.4635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.0793, 0.2954, 0.2990** is the 20% darker color. If you saturate the color by 10%, you get **53.7483, 0.2819, 0.2761**, and if you desaturate by 10%, it is **84.2049, 0.3136, 0.3306**.

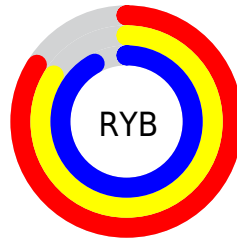
Distribution



Red (84%)

Green (84%)

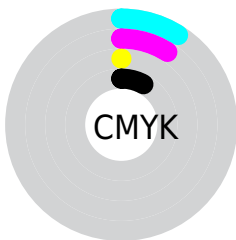
Blue (92%)



Red (84%)

Yellow (84%)

Blue (92%)

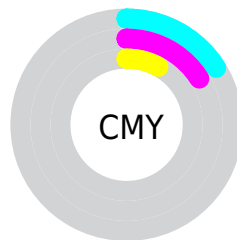


Cyan (9%)

Magenta (9%)

Yellow (0%)

Black (8%)



Cyan (16%)

Magenta (16%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8828, 0.2988, 0.3050 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 67.8828, 0.2988, 0.3050 by changing the saturation by 10% instead.

■ 67.8828, 0.2988,
0.3050

■ 67.8828, 0.2988,
0.3050

453.0807, 0.3053,
0.3161

■ 49.8024, 0.2973,
0.3025

116.1845, 0.3011,
0.3089

■ 35.2564, 0.2954,
0.2993

147.1745, 0.3020,
0.3104

■ 23.8605, 0.2930,
0.2953

183.2366, 0.3027,
0.3117

■ 15.2301, 0.2898,
0.2901

224.7550, 0.3034,
0.3128

■ 8.9811, 0.2854,
0.2830

272.1142, 0.3040,
0.3138

■ 4.7288, 0.2789,
0.2727

325.6987, 0.3045,

■ 2.0891, 0.2684,

0.3146

0.2567

385.8927, 0.3049,
0.3154

0.6585, 0.2494,
0.2236

0.0000, 0.0000,
0.0000

67.8828, 0.2988,
0.3050

67.8828, 0.2988,
0.3050

53.7483, 0.2819,
0.2761

84.2049, 0.3136,
0.3306

41.7003, 0.2631,
0.2440

98.7772, 0.3244,
0.3483

31.6426, 0.2427,
0.2095

23.4680, 0.2215,
0.1740

■ 17.0595, 0.2008,
0.1396

■ 12.2866, 0.1821,
0.1090

■ 9.0012, 0.1669,
0.0848

■ 7.0281, 0.1566,
0.0688

■ 6.1025, 0.1512,
0.0609

Harmonies

Analogous

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



67.8828, 0.2889, 0.3070



67.8828, 0.2988, 0.3050



67.8828, 0.3126, 0.3091

Triad

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



67.8828, 0.2988, 0.3050



67.8828, 0.3409, 0.3421



67.8828, 0.2987, 0.3402

Complementary

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



67.8828, 0.2988, 0.3050



81.7193, 0.3260, 0.3520

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.



67.8828, 0.3124, 0.3501



67.8828, 0.2988, 0.3050



67.8828, 0.3369, 0.3509

Square

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



67.8828, 0.2988, 0.3050



67.8828, 0.3371, 0.3301



67.8828, 0.3264, 0.3540



67.8828, 0.2889, 0.3271

Rectangle

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



67.8828, 0.2988, 0.3050



67.8828, 0.3222, 0.3147



67.8828, 0.3264, 0.3540



67.8828, 0.3030, 0.3440

Sweetspot

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



67.8857, 0.2988, 0.3050



93.8507, 0.3084, 0.3216



79.1364, 0.2983, 0.3282



19.7450, 0.3072, 0.3195



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.



67.8857, 0.2988, 0.3050



78.6407, 0.2961, 0.3003



69.5659, 0.3064, 0.3056



14.5783, 0.2986, 0.3047



3.3860, 0.1513, 0.0607



0.2763, 0.1548, 0.0626

Inverse Universe

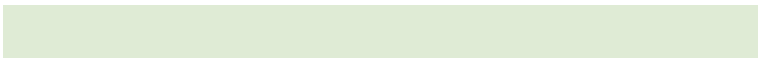
The Inverse Universe completely reimagines the original color for something new.



71.2080, 0.3144, 0.3070



83.3172, 0.3147, 0.3029



79.9441, 0.3185, 0.3525



15.3025, 0.3144, 0.3067



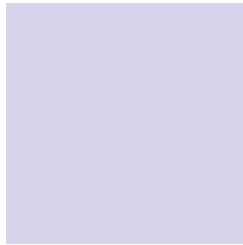
12.8720, 0.3314, 0.1599



1.0141, 0.3298, 0.1591

Previews

White Background



This preview shows how the Yxy color 67.8828, 0.2988, 0.3050 looks on a white background.

Color Contrast Check

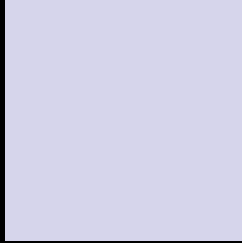
Large Text (above 18pt) WCAG AA × Fail

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 67.8828, 0.2988, 0.3050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

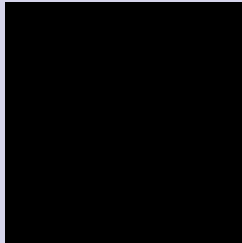
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

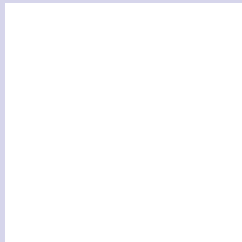
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8828, 0.2988, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 67.8828, 0.2988, 0.3050.

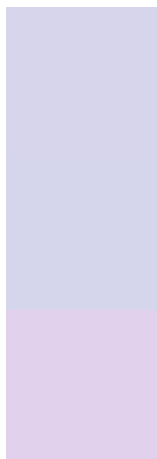


This preview shows how white text looks on a background with the Yxy color 67.8828, 0.2988, 0.3050.

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

67.8828, 0.2988, 0.3050

Protanopia

67.7328, 0.2981, 0.3049

Deuteranopia

67.8258, 0.3068, 0.3002



Tritanopia

68.0088, 0.3007, 0.3103

Trichromacy



Original Color

67.8828, 0.2988, 0.3050

Protanomaly

67.7328, 0.2981, 0.3049

Deuteranomaly

67.6789, 0.3039, 0.3010

Tritanomaly

68.0655, 0.3001, 0.3092

Monochromacy



Original Color

67.8828, 0.2988, 0.3050

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.3757, 0.3074, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8828, 0.2988, 0.3050 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(214, 213, 235)` looks like.

```
.text, #text, p{  
    color:rgb(214, 213, 235)  
}
```

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(214, 213, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 213, 235) }
```

Border

The CSS property to change the border of an element to Yxy 67.8828, 0.2988, 0.3050 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(214, 213, 235) }
```

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

```
.border{ border-color:rgb(214, 213, 235) }
```

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

Here you see how a box with a 4 pixel rgb(214, 213, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 213, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 213, 235);  
box-shadow:4px 4px 4px 4px rgb(214, 213,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8828, 0.2988, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 213, 235) }
```

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

```
.background{ background-color: rgb(214,  
213, 235) }
```

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](#).

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