

Converting Colors

Yxy(68.2230, 0.3006, 0.3133)

Have a look what the booklet for
Yxy(68.2230, 0.3006, 0.3133)
contains.

Yxy(68.1069, 0.3006, 0.3135)	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(68.1069, 0.3006, 0.3135)

Conversions

Conversions Part 1

Format	Color
Hex	D3D7E5
RGB	211, 215, 229
RGB Percent	83%, 84%, 90%
CMY	0.1726, 0.1568, 0.1019
CMYK	0.08, 0.06, 0.00, 0.10
HSL	227°, 26%, 86%
HSV	227°, 8%, 90%
XYZ	65.3044, 68.1069, 83.8356
YIQ	215.4000, -6.8780, 3.5060

Conversions

Conversions Part 2

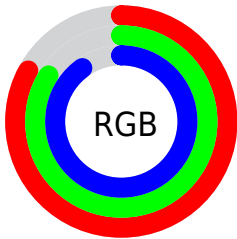
Format	Color
R _Y B	211, 214, 229
Decimal	13883365
CIE Lab	86.06, 1.29, -7.34
CIE LCh	86, 7.457, 279.957
Yxy	68.1069, 0.3006, 0.3135
Android (android.graphics.Color)	4292073445 (0xFFD3D7E5)
YUV	215.4000, 6.7048, -3.8588
Hunter-Lab	82.5269, -3.1731, -2.4614

Details

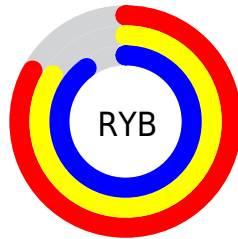
The Yxy color **68.1069, 0.3006, 0.3135** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.2024, 0.3248, 0.3440**, and the grayscale version is **68.1979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.2655, 0.2969, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **56.3926, 0.2839, 0.2915**, and if you desaturate by 10%, it is **81.2938, 0.3158, 0.3329**.

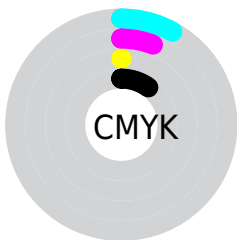
Distribution



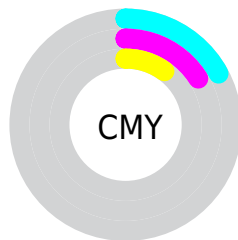
- Red (83%)
- Green (84%)
- Blue (90%)



- Red (83%)
- Yellow (84%)
- Blue (90%)



- Cyan (8%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)



- Cyan (17%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1069, 0.3006, 0.3135 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 68.1069, 0.3006, 0.3135 by changing the saturation by 10% instead.

■ 68.1069, 0.3006,
0.3135

■ 68.1069, 0.3006,
0.3135

453.8747, 0.3063,
0.3207

■ 49.9847, 0.2993,
0.3118

116.5051, 0.3026,
0.3160

■ 35.4012, 0.2977,
0.3098

147.5498, 0.3034,
0.3170

■ 23.9721, 0.2956,
0.3071

183.6709, 0.3040,
0.3178

■ 15.3129, 0.2928,
0.3037

225.2527, 0.3046,
0.3186

■ 9.0393, 0.2890,
0.2989

272.6795, 0.3051,
0.3192

■ 4.7668, 0.2835,
0.2920

326.3359, 0.3055,

■ 2.1111, 0.2745,

0.3198

0.2809

386.6061, 0.3059,
0.3203

0.6709, 0.2562,
0.2569

0.0000, 0.0000,
0.0000

68.1069, 0.3006,
0.3135

68.1069, 0.3006,
0.3135

56.3926, 0.2839,
0.2915

81.2938, 0.3158,
0.3329

46.0906, 0.2660,
0.2670

95.6530, 0.3284,
0.3500

37.1490, 0.2471,
0.2402

98.4374, 0.3280,
0.3542

29.5096, 0.2278,
0.2117

■ 23.1097, 0.2089,
0.1823

■ 17.8811, 0.1915,
0.1533

■ 13.7486, 0.1765,
0.1265

■ 10.6275, 0.1650,
0.1033

■ 8.4133, 0.1574,
0.0851

Harmonies

Analogous

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



68.1069, 0.2957, 0.3166



68.1069, 0.3006, 0.3135



68.1069, 0.3087, 0.3144

Triad

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



68.1069, 0.3006, 0.3135



68.1069, 0.3304, 0.3344



68.1069, 0.3073, 0.3392

Complementary

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



68.1069, 0.3006, 0.3135



75.2024, 0.3248, 0.3440

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.



68.1069, 0.3165, 0.3441



68.1069, 0.3006, 0.3135



68.1069, 0.3300, 0.3412

Square

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



68.1069, 0.3006, 0.3135



68.1069, 0.3260, 0.3264



68.1069, 0.3248, 0.3448



68.1069, 0.2996, 0.3315

Rectangle

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



68.1069, 0.3006, 0.3135



68.1069, 0.3150, 0.3172



68.1069, 0.3248, 0.3448



68.1069, 0.3103, 0.3413

Sweetspot

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



68.1098, 0.3006, 0.3135



96.5440, 0.3097, 0.3252



75.3138, 0.3031, 0.3336



20.7006, 0.3099, 0.3254



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.



68.1098, 0.3006, 0.3135



85.0530, 0.2987, 0.3110



66.8064, 0.3040, 0.3092



14.4064, 0.2980, 0.3102



4.7419, 0.1567, 0.0841



0.4873, 0.1641, 0.1108

Inverse Universe

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



68.1474, 0.3234, 0.3247



85.1259, 0.3251, 0.3240



76.6233, 0.3210, 0.3485



14.4204, 0.3257, 0.3238



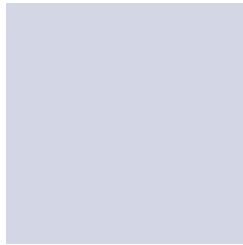
9.6764, 0.6005, 0.3082



0.7289, 0.5598, 0.2858

Previews

White Background



This preview shows how the Yxy color 68.1069, 0.3006, 0.3135 looks on a white background.

Color Contrast Check

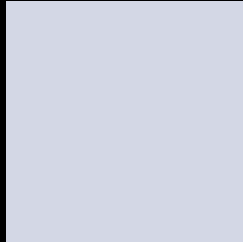
Large Text (above 18pt) WCAG AA × Fail

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 68.1069, 0.3006, 0.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

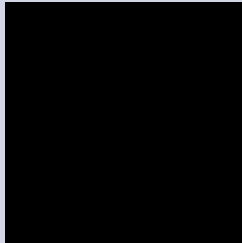
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

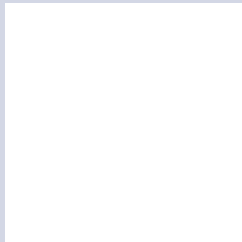
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1069, 0.3006, 0.3135

Background



This preview shows how black text looks on a background with the Yxy color 68.1069, 0.3006, 0.3135.

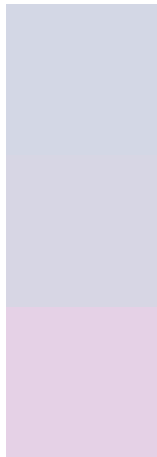


This preview shows how white text looks on a background with the Yxy color 68.1069, 0.3006, 0.3135.

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

68.1069, 0.3006, 0.3135

Protanopia

68.1416, 0.3041, 0.3136

Deuteranopia

67.9721, 0.3130, 0.3066



Tritanopia

68.2760, 0.2987, 0.3103

Trichromacy



Original Color

68.1069, 0.3006, 0.3135

Protanomaly

67.9907, 0.3034, 0.3136

Deuteranomaly

67.8313, 0.3078, 0.3084

Tritanomaly

68.2193, 0.2993, 0.3113

Monochromacy



Original Color

68.1069, 0.3006, 0.3135

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.0643, 0.3086, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1069, 0.3006, 0.3135 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(211, 215, 229)` looks like.

```
.text, #text, p{  
    color:rgb(211, 215, 229)  
}
```

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(211, 215, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 215, 229) }
```

Border

The CSS property to change the border of an element to Yxy 68.1069, 0.3006, 0.3135 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(211, 215, 229) }
```

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

```
.border{ border-color:rgb(211, 215, 229) }
```

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

Here you see how a box with a 4 pixel rgb(211, 215, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 215, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 215, 229);  
box-shadow:4px 4px 4px 4px rgb(211, 215,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1069, 0.3006, 0.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 215, 229) }
```

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

```
.background{ background-color: rgb(211,  
215, 229) }
```

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