

Converting Colors

Yxy(68.1540, 0.2867, 0.2999)

Have a look what the booklet for
Yxy(68.1540, 0.2867, 0.2999)
contains.

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Color

Yxy(68.2190, 0.2871, 0.3003)

Conversions

Conversions Part 1

Format	Color
Hex	CBD8F2
RGB	203, 216, 242
RGB Percent	80%, 85%, 95%
CMY	0.2037, 0.1530, 0.0510
CMYK	0.16, 0.11, 0.00, 0.05
HSL	220°, 60%, 87%
HSV	220°, 16%, 95%
XYZ	65.2204, 68.2190, 93.7301
YIQ	215.0770, -16.0940, 5.3300

Conversions

Conversions Part 2

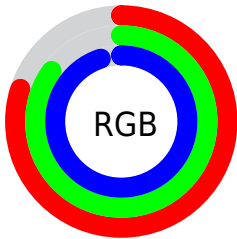
Format	Color
R _Y B	203, 213, 242
Decimal	13359346
CIE Lab	86.12, 0.86, -14.19
CIE LCh	86, 14.219, 273.462
Yxy	68.2190, 0.2871, 0.3003
Android (android.graphics.Color)	4291549426 (0xFFC8D8F2)
YUV	215.0770, 13.2730, -10.5915
Hunter-Lab	82.5948, -3.5897, -9.4671

Details

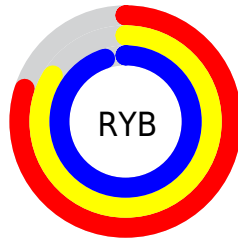
The Yxy color **68.2190, 0.2871, 0.3003** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.2588, 0.3390, 0.3561**, and the grayscale version is **67.9328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.4245, 0.2812, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **57.2084, 0.2699, 0.2797**, and if you desaturate by 10%, it is **80.5796, 0.3034, 0.3188**.

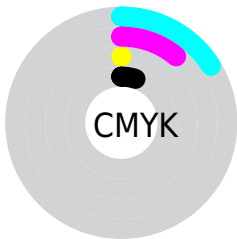
Distribution



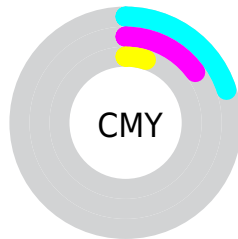
- Red (80%)
- Green (85%)
- Blue (95%)



- Red (80%)
- Yellow (84%)
- Blue (95%)



- Cyan (16%)
- Magenta (11%)
- Yellow (0%)
- Black (5%)



- Cyan (20%)
- Magenta (15%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2190, 0.2871, 0.3003 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 68.2190, 0.2871, 0.3003 by changing the saturation by 10% instead.

■ 68.2190, 0.2871,
0.3003

■ 68.2190, 0.2871,
0.3003

454.2716, 0.2990,
0.3136

■ 50.0759, 0.2844,
0.2972

116.6654, 0.2913,
0.3049

■ 35.4737, 0.2810,
0.2935

147.7375, 0.2929,
0.3067

■ 24.0280, 0.2766,
0.2887

183.8880, 0.2943,
0.3083

■ 15.3544, 0.2710,
0.2824

225.5014, 0.2955,
0.3096

■ 9.0685, 0.2633,
0.2738

272.9621, 0.2965,
0.3108

■ 4.7859, 0.2521,
0.2615

326.6544, 0.2975,

■ 2.1222, 0.2346,

0.3119

0.2423

386.9628, 0.2983,
0.3128

0.6771, 0.2019,
0.2057

0.0000, 0.0000,
0.0000

68.2190, 0.2871,
0.3003

68.2190, 0.2871,
0.3003

57.2084, 0.2699,
0.2797

80.5796, 0.3034,
0.3188

47.4916, 0.2520,
0.2570

94.3273, 0.3185,
0.3352

39.0203, 0.2338,
0.2327

99.1906, 0.3203,
0.3415

31.7400, 0.2162,
0.2071

■ 25.5917, 0.1997,
0.1812

■ 20.5104, 0.1852,
0.1559

■ 16.4232, 0.1735,
0.1325

■ 13.2446, 0.1651,
0.1120

■ 12.2096, 0.1625,
0.1048

Harmonies

Analogous

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



68.2190, 0.2798, 0.3075



68.2190, 0.2871, 0.3003



68.2190, 0.3013, 0.3006

Triad

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



68.2190, 0.2871, 0.3003



68.2190, 0.3455, 0.3357



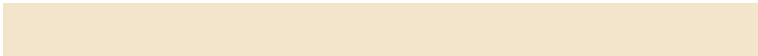
68.2190, 0.3059, 0.3514

Complementary

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



68.2190, 0.2871, 0.3003



79.2588, 0.3390, 0.3561

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.



68.2190, 0.3235, 0.3592



68.2190, 0.2871, 0.3003



68.2190, 0.3467, 0.3494

Square

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



68.2190, 0.2871, 0.3003



68.2190, 0.3352, 0.3207



68.2190, 0.3385, 0.3583



68.2190, 0.2904, 0.3371

Rectangle

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



68.2190, 0.2871, 0.3003



68.2190, 0.3129, 0.3049



68.2190, 0.3385, 0.3583



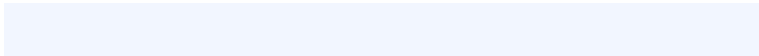
68.2190, 0.3117, 0.3549

Sweetspot

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



68.2218, 0.2871, 0.3003



92.3498, 0.3051, 0.3206



81.8632, 0.2956, 0.3431



19.5433, 0.3040, 0.3194



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.



68.2218, 0.2871, 0.3003



73.0097, 0.2821, 0.2944



62.7802, 0.2910, 0.2862



16.0869, 0.2980, 0.3128



6.7829, 0.1633, 0.1077



0.7403, 0.1705, 0.1338

Inverse Universe

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



66.5693, 0.3335, 0.3154



70.9768, 0.3381, 0.3128



85.5642, 0.3324, 0.3696



15.8455, 0.3241, 0.3212



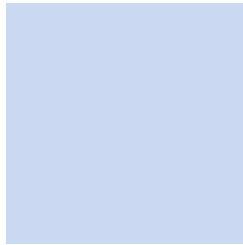
10.4781, 0.5643, 0.2883



0.8894, 0.5274, 0.2679

Previews

White Background



This preview shows how the Yxy color 68.2190, 0.2871, 0.3003 looks on a white background.

Color Contrast Check

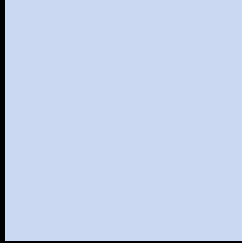
Large Text (above 18pt) WCAG AA × Fail

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 68.2190, 0.2871, 0.3003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

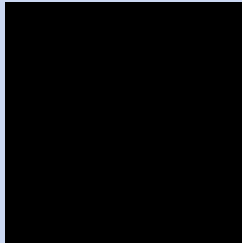
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.2190, 0.2871, 0.3003

Background



This preview shows how black text looks on a background with the Yxy color 68.2190, 0.2871, 0.3003.



This preview shows how white text looks on a background with the Yxy color 68.2190, 0.2871, 0.3003.

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

68.2190, 0.2871, 0.3003

Protanopia

68.3815, 0.2943, 0.3007

Deuteranopia

68.2522, 0.3000, 0.2939



Tritanopia

68.1228, 0.2913, 0.3100

Trichromacy



Original Color

68.2190, 0.2871, 0.3003

Protanomaly

68.5071, 0.2916, 0.3006

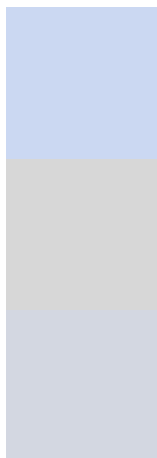
Deuteranomaly

68.1570, 0.2951, 0.2956

Tritanomaly

68.2967, 0.2895, 0.3067

Monochromacy



Original Color

68.2190, 0.2871, 0.3003

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

67.8860, 0.3032, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2190, 0.2871, 0.3003 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(203, 216, 242)` looks like.

```
.text, #text, p{  
    color:rgb(203, 216, 242)  
}
```

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(203, 216, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 216, 242) }
```

Border

The CSS property to change the border of an element to Yxy 68.2190, 0.2871, 0.3003 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(203, 216, 242) }
```

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

```
.border{ border-color:rgb(203, 216, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 216, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 216, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 216, 242);  
box-shadow:4px 4px 4px 4px rgb(203, 216,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2190, 0.2871, 0.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 216, 242) }
```

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

```
.background{ background-color: rgb(203,  
216, 242) }
```

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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