

Converting Colors

Yxy(66.9978, 0.2802, 0.3049)

Have a look what the booklet for
Yxy(66.9978, 0.2802, 0.3049)
contains.

Yxy(67.1936, 0.2799, 0.3051)	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(67.1936, 0.2799, 0.3051)

Conversions

Conversions Part 1

Format	Color
Hex	BDDAEF
RGB	189, 218, 239
RGB Percent	74%, 85%, 94%
CMY	0.2587, 0.1451, 0.0627
CMYK	0.21, 0.09, 0.00, 0.06
HSL	205°, 61%, 84%
HSV	205°, 21%, 94%
XYZ	61.6437, 67.1936, 91.3974
YIQ	211.7230, -24.0250, 0.3830

Conversions

Conversions Part 2

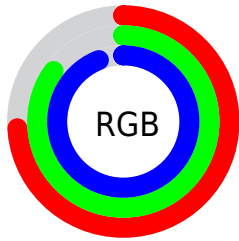
Format	Color
RYB	189, 207, 239
Decimal	12442351
CIELab	85.60, -5.14, -13.49
CIELCh	86, 14.434, 249.145
Yxy	67.1936, 0.2799, 0.3051
Android (android.graphics.Color)	4290632431 (0xFFBDDAEF)
YUV	211.7230, 13.4476, -19.9281
Hunter-Lab	81.9717, -9.2164, -8.7274

Details

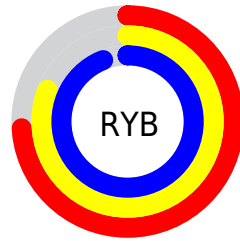
The Yxy color **67.1936, 0.2799, 0.3051** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.1458, 0.3502, 0.3518**, and the grayscale version is **65.5704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **34.7642, 0.2722, 0.2991** is the 20% darker color. If you saturate the color by 10%, you get **59.3312, 0.2640, 0.2918**, and if you desaturate by 10%, it is **75.8813, 0.2958, 0.3172**.

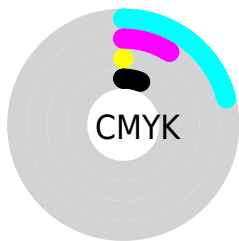
Distribution



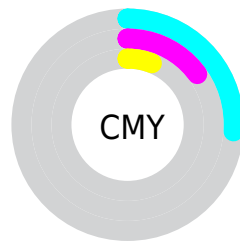
- Red (74%)
- Green (85%)
- Blue (94%)



- Red (74%)
- Yellow (81%)
- Blue (94%)



- Cyan (21%)
- Magenta (9%)
- Yellow (0%)
- Black (6%)



- Cyan (26%)
- Magenta (15%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1936, 0.2799, 0.3051 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 67.1936, 0.2799, 0.3051 by changing the saturation by 10% instead.

■ 67.1936, 0.2799,
0.3051

■ 67.1936, 0.2799,
0.3051

450.6336, 0.2951,
0.3164

■ 49.2420, 0.2764,
0.3025

■ 115.1978, 0.2852,
0.3091

■ 34.8115, 0.2721,
0.2992

146.0191, 0.2873,
0.3106

■ 23.5177, 0.2666,
0.2950

181.8992, 0.2890,
0.3119

■ 14.9762, 0.2594,
0.2894

223.2223, 0.2906,
0.3130

■ 8.8027, 0.2497,
0.2818

270.3729, 0.2919,
0.3140

■ 4.6127, 0.2356,
0.2705

323.7354, 0.2931,

■ 2.0219, 0.2138,

0.3149

0.2525

383.6941, 0.2942,
0.3157

0.6201, 0.1622,
0.2167

0.0000, 0.0000,
0.0000

67.1936, 0.2799,
0.3051

67.1936, 0.2799,
0.3051

59.3312, 0.2640,
0.2918

75.8813, 0.2958,
0.3172

52.2557, 0.2484,
0.2775

85.4145, 0.3113,
0.3281

45.9375, 0.2335,
0.2621

94.7198, 0.3226,
0.3379

40.3412, 0.2197,
0.2461

99.0132, 0.3220,
0.3444

■ 35.4281, 0.2076,
0.2296

■ 31.1543, 0.1975,
0.2131

■ 27.4684, 0.1896,
0.1969

■ 24.5582, 0.1841,
0.1827

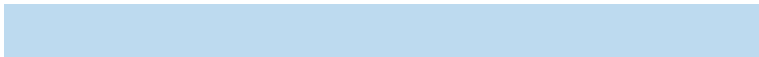
Harmonies

Analogous

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



67.1936, 0.2794, 0.3177



67.1936, 0.2799, 0.3051



67.1936, 0.2889, 0.2992

Triad

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



67.1936, 0.2799, 0.3051



67.1936, 0.3383, 0.3233



67.1936, 0.3204, 0.3590

Complementary

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



67.1936, 0.2799, 0.3051



68.1458, 0.3502, 0.3518

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.



67.1936, 0.3366, 0.3597



67.1936, 0.2799, 0.3051



67.1936, 0.3472, 0.3387

Square

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



67.1936, 0.2799, 0.3051



67.1936, 0.3224, 0.3097



67.1936, 0.3465, 0.3521



67.1936, 0.3024, 0.3495

Rectangle

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



67.1936, 0.2799, 0.3051



67.1936, 0.2987, 0.2996



67.1936, 0.3465, 0.3521



67.1936, 0.3262, 0.3603

Sweetspot

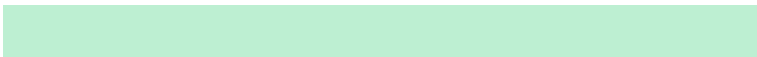
The Sweet Spot groups the original color and five complimentary colors.



67.1963, 0.2799, 0.3051



93.1765, 0.3034, 0.3227



77.2131, 0.2978, 0.3623



19.7893, 0.3024, 0.3219



0.0000, 0.0000, 0.0000



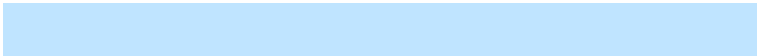
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.1963, 0.2799, 0.3051



73.9222, 0.2733, 0.2997



55.2786, 0.2779, 0.2759



16.7504, 0.2980, 0.3188



13.8342, 0.1848, 0.1852



1.3472, 0.1905, 0.2059

Inverse Universe

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



59.8212, 0.3312, 0.2981



64.2429, 0.3358, 0.2917



81.3630, 0.3451, 0.3771



15.9125, 0.3202, 0.3154



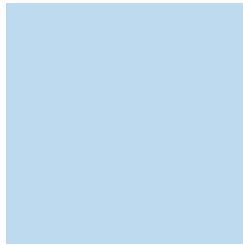
11.1899, 0.4624, 0.2321



0.9507, 0.4386, 0.2190

Previews

White Background



This preview shows how the Yxy color 67.1936, 0.2799, 0.3051 looks on a white background.

Color Contrast Check

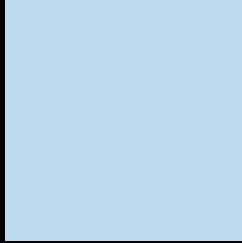
Large Text (above 18pt) WCAG AA × Fail

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 67.1936, 0.2799, 0.3051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

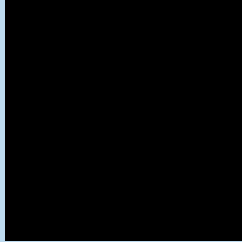
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

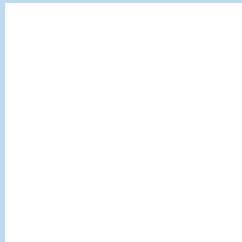
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.1936, 0.2799, 0.3051

Background



This preview shows how black text looks on a background with the Yxy color 67.1936, 0.2799, 0.3051.

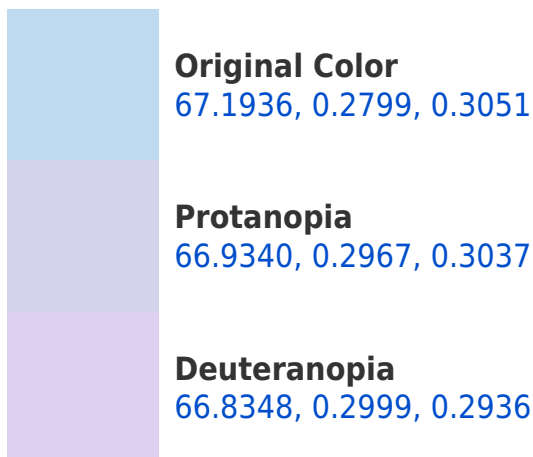


This preview shows how white text looks on a background with the Yxy color 67.1936, 0.2799, 0.3051.

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





Tritanopia

67.4105, 0.2811, 0.3096

Trichromacy



Original Color

67.1936, 0.2799, 0.3051

Protanomaly

66.8458, 0.2907, 0.3045

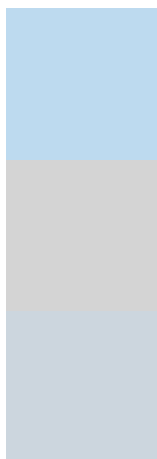
Deuteranomaly

66.9335, 0.2922, 0.2983

Tritanomaly

67.4688, 0.2805, 0.3084

Monochromacy



Original Color

67.1936, 0.2799, 0.3051

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.2044, 0.3002, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1936, 0.2799, 0.3051 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(189, 218, 239)` looks like.

```
.text, #text, p{  
    color:rgb(189, 218, 239)  
}
```

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(189, 218, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 218, 239) }
```

Border

The CSS property to change the border of an element to Yxy 67.1936, 0.2799, 0.3051 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(189, 218, 239) }
```

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

```
.border{ border-color:rgb(189, 218, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 218, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 218, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 218, 239);  
box-shadow:4px 4px 4px 4px rgb(189, 218,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1936, 0.2799, 0.3051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 218, 239) }
```

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

```
.background{ background-color: rgb(189,  
218, 239) }
```

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