

Converting Colors

$Yxy(68.4766, 0.2714, 0.3114)$

Have a look what the booklet for
Yxy(68.4766, 0.2714, 0.3114)
contains.

Yxy(68.5420, 0.2714, 0.3116)	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(68.5420, 0.2714, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	AEE0EF
RGB	174, 224, 239
RGB Percent	68%, 88%, 94%
CMY	0.3174, 0.1216, 0.0628
CMYK	0.27, 0.06, 0.00, 0.06
HSL	194°, 67%, 81%
HSV	194°, 27%, 94%
XYZ	59.6993, 68.5420, 91.7266
YIQ	210.7600, -34.6150, -5.9350

Conversions

Conversions Part 2

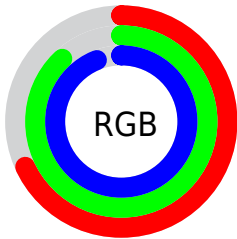
Format	Color
RYB	174, 202, 239
Decimal	11460847
CIELab	86.28, -12.65, -12.55
CIELCh	86, 17.818, 224.779
Yxy	68.5420, 0.2714, 0.3116
Android (android.graphics.Color)	4289650927 (0xFFAEE0EF)
YUV	210.7600, 13.9223, -32.2385
Hunter-Lab	82.7901, -16.1677, -7.7368

Details

The Yxy color **68.5420, 0.2714, 0.3116** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.8239, 0.3673, 0.3457**, and the grayscale version is **64.9074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **35.7879, 0.2619, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **63.1209, 0.2572, 0.3042**, and if you desaturate by 10%, it is **74.5532, 0.2863, 0.3185**.

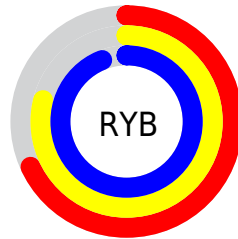
Distribution



Red (68%)

Green (88%)

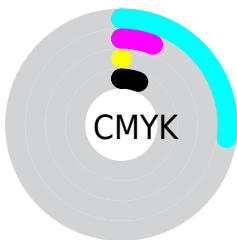
Blue (94%)



Red (68%)

Yellow (79%)

Blue (94%)

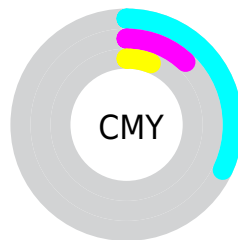


Cyan (27%)

Magenta (6%)

Yellow (0%)

Black (6%)



Cyan (32%)

Magenta (12%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5420, 0.2714, 0.3116 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 68.5420, 0.2714, 0.3116 by changing the saturation by 10% instead.

■ 68.5420, 0.2714,
0.3116

■ 68.5420, 0.2714,
0.3116

455.4140, 0.2905,
0.3200

■ 50.3388, 0.2671,
0.3096

■ 117.1272, 0.2780,
0.3146

■ 35.6827, 0.2617,
0.3071

148.2779, 0.2806,
0.3157

■ 24.1892, 0.2550,
0.3038

184.5134, 0.2828,
0.3167

■ 15.4740, 0.2463,
0.2995

226.2178, 0.2847,
0.3175

■ 9.1528, 0.2344,
0.2933

273.7757, 0.2864,
0.3183

■ 4.8410, 0.2176,
0.2841

327.5714, 0.2879,

■ 2.1542, 0.1921,

0.3189

0.2689

387.9894, 0.2892,
0.3195

0.6949, 0.1235,
0.2440

0.0000, 0.0000,
0.0000

68.5420, 0.2714,
0.3116

68.5420, 0.2714,
0.3116

63.1209, 0.2572,
0.3042

74.5532, 0.2863,
0.3185

58.2548, 0.2442,
0.2963

81.1710, 0.3016,
0.3248

53.9174, 0.2325,
0.2880

88.4216, 0.3171,
0.3306

50.0763, 0.2225,
0.2795

93.4395, 0.3228,
0.3359

■ 46.6950, 0.2144,
0.2709

■ 96.8470, 0.3223,
0.3412

■ 43.7309, 0.2084,
0.2623

■ 99.0107, 0.3220,
0.3444

■ 41.1288, 0.2042,
0.2538

■ 40.4316, 0.2032,
0.2514

Harmonies

Analogous

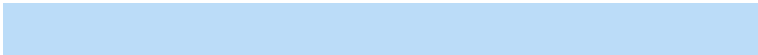
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.5420, 0.2794, 0.3313



68.5420, 0.2714, 0.3116



68.5420, 0.2740, 0.2976

Triad

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



68.5420, 0.2714, 0.3116



68.5420, 0.3286, 0.3083



68.5420, 0.3386, 0.3675

Complementary

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



68.5420, 0.2714, 0.3116



57.8239, 0.3673, 0.3457

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.



68.5420, 0.3527, 0.3595



68.5420, 0.2714, 0.3116



68.5420, 0.3470, 0.3254

Square

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



68.5420, 0.2714, 0.3116



68.5420, 0.3064, 0.2964



68.5420, 0.3559, 0.3440



68.5420, 0.3178, 0.3646

Rectangle

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



68.5420, 0.2714, 0.3116



68.5420, 0.2814, 0.2931



68.5420, 0.3559, 0.3440



68.5420, 0.3443, 0.3659

Sweetspot

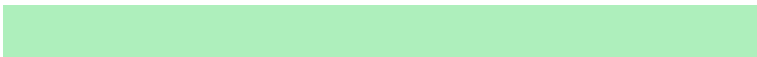
The Sweet Spot groups the original color and five complimentary colors.



68.5448, 0.2714, 0.3116



93.3660, 0.3003, 0.3243



74.3632, 0.3010, 0.3898



19.7285, 0.2980, 0.3234



0.0000, 0.0000, 0.0000



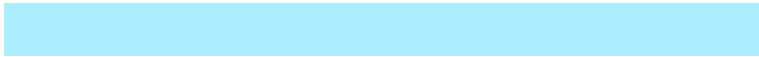
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5448, 0.2714, 0.3116



75.6064, 0.2629, 0.3072



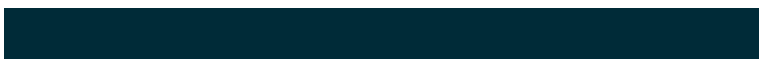
53.1387, 0.2676, 0.2735



17.2741, 0.2981, 0.3234



22.5568, 0.2035, 0.2527



2.0251, 0.2067, 0.2640

Inverse Universe

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



54.0270, 0.3279, 0.2760



56.3605, 0.3320, 0.2641



72.9007, 0.3585, 0.3789



15.9653, 0.3173, 0.3110



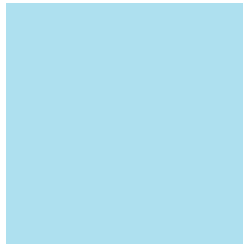
12.0705, 0.3895, 0.1919



1.0191, 0.3786, 0.1859

Previews

White Background



This preview shows how the Yxy color 68.5420, 0.2714, 0.3116 looks on a white background.

Color Contrast Check

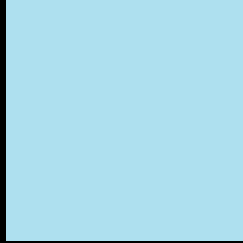
Large Text (above 18pt) WCAG AA × Fail

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 68.5420, 0.2714, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

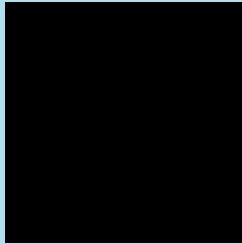
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5420, 0.2714, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 68.5420, 0.2714, 0.3116.

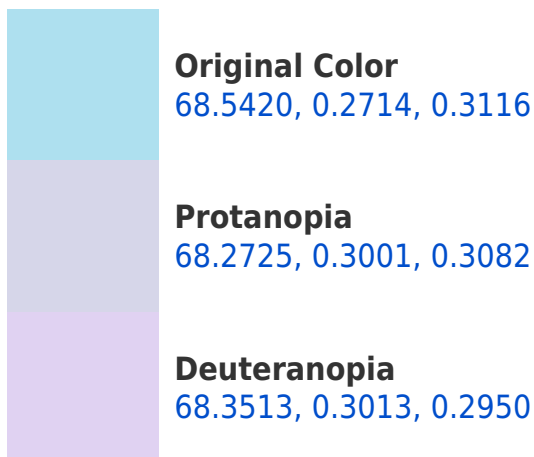


This preview shows how white text looks on a background with the Yxy color 68.5420, 0.2714, 0.3116.

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

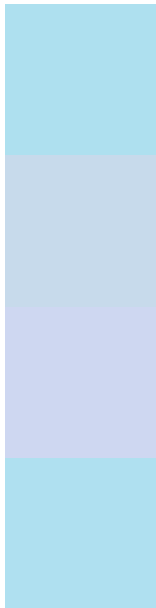




Tritanopia

68.7761, 0.2708, 0.3094

Trichromacy



Original Color

68.5420, 0.2714, 0.3116

Protanomaly

68.2831, 0.2888, 0.3099

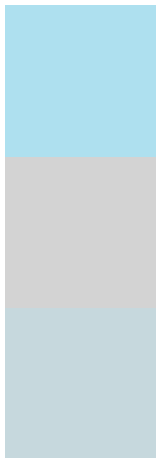
Deuteranomaly

68.0736, 0.2896, 0.3004

Tritanomaly

68.7165, 0.2714, 0.3105

Monochromacy



Original Color

68.5420, 0.2714, 0.3116

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.3380, 0.2967, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5420, 0.2714, 0.3116 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(174, 224, 239)` looks like.

```
.text, #text, p{  
    color:rgb(174, 224, 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(174, 224, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 224, 239) }
```

Border

The CSS property to change the border of an element to Yxy 68.5420, 0.2714, 0.3116 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(174, 224, 239) }
```

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

```
.border{ border-color:rgb(174, 224, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 224, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 224, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 224, 239);  
box-shadow:4px 4px 4px 4px rgb(174, 224,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5420, 0.2714, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 224, 239) }
```

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

```
.background{ background-color: rgb(174,  
224, 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