

Converting Colors

$Yxy(66.8458, 0.2638, 0.3003)$

Have a look what the booklet for
Yxy(66.8458, 0.2638, 0.3003)
contains.

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Color

Yxy(66.6916, 0.2638, 0.3000)

Conversions

Conversions Part 1

Format	Color
Hex	A8DDF6
RGB	168, 221, 246
RGB Percent	66%, 87%, 96%
CMY	0.3410, 0.1333, 0.0353
CMYK	0.32, 0.10, 0.00, 0.04
HSL	199°, 81%, 81%
HSV	199°, 32%, 96%
XYZ	58.6441, 66.6916, 96.9696
YIQ	208.0030, -39.6130, -3.4610

Conversions

Conversions Part 2

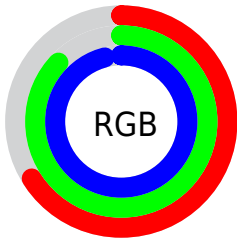
Format	Color
RYB	168, 200, 246
Decimal	11066870
CIELab	85.35, -11.18, -17.68
CIELCh	85, 20.923, 237.694
Yxy	66.6916, 0.2638, 0.3000
Android (android.graphics.Color)	4289256950 (0xFFA8DDF6)
YUV	208.0030, 18.7325, -35.0826
Hunter-Lab	81.6649, -14.7315, -13.2360

Details

The Yxy color **66.6916, 0.2638, 0.3000** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.5772, 0.3771, 0.3561**, and the grayscale version is **62.9797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **34.5009, 0.2519, 0.2923** is the 20% darker color. If you saturate the color by 10%, you get **60.1758, 0.2492, 0.2892**, and if you desaturate by 10%, it is **73.9192, 0.2790, 0.3101**.

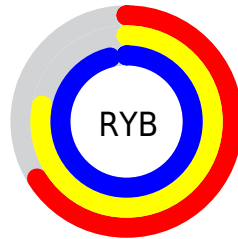
Distribution



Red (66%)

Green (87%)

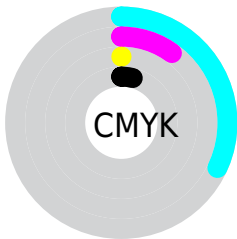
Blue (96%)



Red (66%)

Yellow (78%)

Blue (96%)

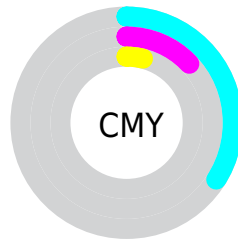


Cyan (32%)

Magenta (10%)

Yellow (0%)

Black (4%)



Cyan (34%)


Magenta (13%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6916, 0.2638, 0.3000 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 66.6916, 0.2638, 0.3000 by changing the saturation by 10% instead.


 66.6916, 0.2638,
0.3000

 66.6916, 0.2638,
0.3000


448.8462, 0.2864,
0.3139

 48.8340, 0.2587,
0.2967


 114.4784, 0.2716,
0.3049

 34.4878, 0.2524,
0.2926


145.1764, 0.2747,
0.3068

 23.2686, 0.2444,
0.2874

180.9234, 0.2773,
0.3084

 14.7920, 0.2341,
0.2804

222.1037, 0.2796,
0.3098

 8.6735, 0.2202,
0.2707

269.1017, 0.2816,
0.3110

 4.5289, 0.2007,
0.2565

322.3019, 0.2834,

 1.9736, 0.1714,

0.3121

0.2337

382.0886, 0.2849,
0.3130

0.5921, 0.0940,
0.1920

0.0000, 0.0000,
0.0000

66.6916, 0.2638,
0.3000

66.6916, 0.2638,
0.3000

60.1758, 0.2492,
0.2892

73.9192, 0.2790,
0.3101

54.3323, 0.2356,
0.2777

81.8798, 0.2946,
0.3193

49.1293, 0.2234,
0.2657

90.6035, 0.3101,
0.3277

44.5285, 0.2129,
0.2533

97.8824, 0.3181,
0.3353

■ 40.4862, 0.2045,
0.2409

■ 99.4338, 0.3179,
0.3376

■ 36.9502, 0.1981,
0.2287

■ 34.3326, 0.1941,
0.2187

Harmonies

Analogous

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



66.6916, 0.2679, 0.3210



66.6916, 0.2638, 0.3000



66.6916, 0.2721, 0.2879

Triad

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



66.6916, 0.2638, 0.3000



66.6916, 0.3419, 0.3127



66.6916, 0.3332, 0.3750

Complementary

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



66.6916, 0.2638, 0.3000



60.5772, 0.3771, 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.



66.6916, 0.3542, 0.3705



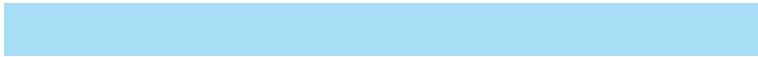
66.6916, 0.2638, 0.3000



66.6916, 0.3596, 0.3340

Square

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



66.6916, 0.2638, 0.3000



66.6916, 0.3166, 0.2957



66.6916, 0.3641, 0.3551



66.6916, 0.3073, 0.3660

Rectangle

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



66.6916, 0.2638, 0.3000



66.6916, 0.2837, 0.2859



66.6916, 0.3641, 0.3551



66.6916, 0.3411, 0.3750

Sweetspot

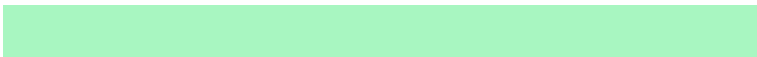
The Sweet Spot groups the original color and five complimentary colors.



66.6942, 0.2638, 0.3000



90.3735, 0.2972, 0.3208



78.0781, 0.2949, 0.3923



19.0685, 0.2950, 0.3195



0.0000, 0.0000, 0.0000



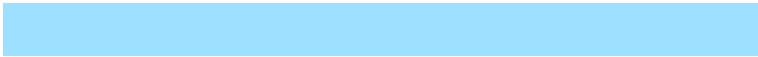
21.4041, 0.3127, 0.3290

Same Dimension

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



66.6942, 0.2638, 0.3000



67.7709, 0.2544, 0.2932



48.5728, 0.2581, 0.2528



17.8093, 0.2980, 0.3212



18.5900, 0.1946, 0.2207



1.8191, 0.1989, 0.2358

Inverse Universe

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



52.8311, 0.3370, 0.2736



51.1257, 0.3435, 0.2624



79.9693, 0.3648, 0.3951



16.6726, 0.3187, 0.3131



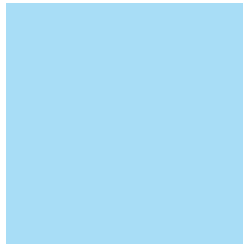
11.9760, 0.4225, 0.2101



1.0713, 0.4066, 0.2013

Previews

White Background



This preview shows how the Yxy color 66.6916, 0.2638, 0.3000 looks on a white background.

Color Contrast Check

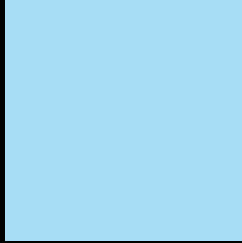
Large Text (above 18pt) WCAG AA × Fail

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 66.6916, 0.2638, 0.3000 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 66.6916, 0.2638, 0.3000

Background



This preview shows how black text looks on a background with the Yxy color 66.6916, 0.2638, 0.3000.

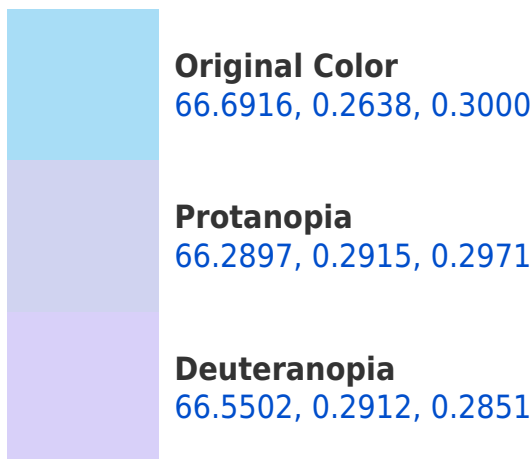


This preview shows how white text looks on a background with the Yxy color 66.6916, 0.2638, 0.3000.

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

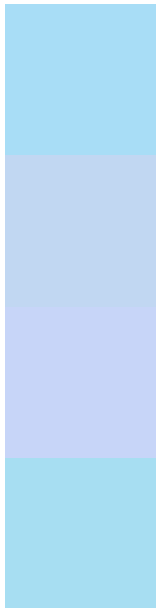




Tritanopia

66.7493, 0.2665, 0.3079

Trichromacy



Original Color

66.6916, 0.2638, 0.3000

Protanomaly

66.3491, 0.2805, 0.2986

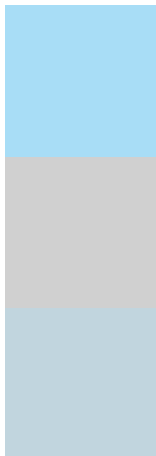
Deuteranomaly

66.5079, 0.2807, 0.2904

Tritanomaly

66.8688, 0.2655, 0.3056

Monochromacy



Original Color

66.6916, 0.2638, 0.3000

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.1999, 0.2926, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6916, 0.2638, 0.3000 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(168, 221, 246)` looks like.

```
.text, #text, p{  
    color:rgb(168, 221, 246)  
}
```

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(168, 221, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 221, 246) }
```

Border

The CSS property to change the border of an element to Yxy 66.6916, 0.2638, 0.3000 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(168, 221, 246) }
```

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

```
.border{ border-color:rgb(168, 221, 246) }
```

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

Here you see how a box with a 4 pixel rgb(168, 221, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 221, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 221, 246);  
box-shadow:4px 4px 4px 4px rgb(168, 221,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6916, 0.2638, 0.3000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 221, 246) }
```

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

```
.background{ background-color: rgb(168,  
221, 246) }
```

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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