

Converting Colors

$Yxy(68.9586, 0.2682, 0.3131)$

Have a look what the booklet for
Yxy(68.9586, 0.2682, 0.3131)
contains.

Yxy(69.0597, 0.2687, 0.3138)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.0597, 0.2687, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	A9E2EF
RGB	169, 226, 239
RGB Percent	66%, 89%, 94%
CMY	0.3374, 0.1137, 0.0627
CMYK	0.29, 0.05, 0.00, 0.06
HSL	191°, 69%, 80%
HSV	191°, 29%, 94%
XYZ	59.1343, 69.0597, 91.8815
YIQ	210.4390, -38.1450, -8.0410

Conversions

Conversions Part 2

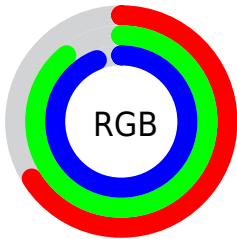
Format	Color
R _Y B	169, 200, 239
Decimal	11133679
CIE Lab	86.53, -15.11, -12.21
CIE LCh	87, 19.429, 218.950
Yxy	69.0597, 0.2687, 0.3138
Android (android.graphics.Color)	4289323759 (0xFFA9E2EF)
YUV	210.4390, 14.0806, -36.3420
Hunter-Lab	83.1022, -18.4108, -7.3822

Details

The Yxy color **69.0597, 0.2687, 0.3138** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.6598, 0.3739, 0.3436**, and the grayscale version is **64.6747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **36.1896, 0.2589, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **64.2749, 0.2551, 0.3078**, and if you desaturate by 10%, it is **74.3955, 0.2832, 0.3194**.

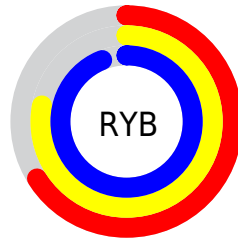
Distribution



Red (66%)

Green (89%)

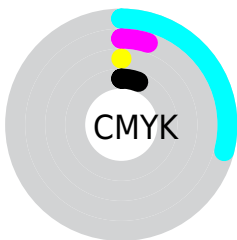
Blue (94%)



Red (66%)

Yellow (78%)

Blue (94%)

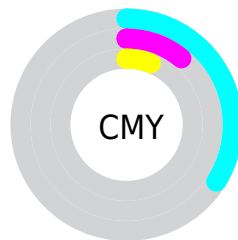


Cyan (29%)

Magenta (5%)

Yellow (0%)

Black (6%)



Cyan (34%)

Magenta (11%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0597, 0.2687, 0.3138 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 69.0597, 0.2687, 0.3138 by changing the saturation by 10% instead.

■ 69.0597, 0.2687,
0.3138

■ 69.0597, 0.2687,
0.3138

457.2415, 0.2889,
0.3212

■ 50.7603, 0.2641,
0.3120

■ 117.8668, 0.2757,
0.3165

■ 36.0179, 0.2585,
0.3098

149.1434, 0.2784,
0.3175

■ 24.4480, 0.2514,
0.3068

185.5145, 0.2808,
0.3183

■ 15.6663, 0.2421,
0.3029

227.3645, 0.2828,
0.3191

■ 9.2883, 0.2297,
0.2973

275.0778, 0.2846,
0.3197

■ 4.9297, 0.2121,
0.2888

329.0388, 0.2862,

■ 2.2061, 0.1854,

0.3203

0.2746

389.6319, 0.2877,
0.3208

0.7233, 0.1116,
0.2534

0.0000, 0.0000,
0.0000

69.0597, 0.2687,
0.3138

69.0597, 0.2687,
0.3138

64.2749, 0.2551,
0.3078

74.3955, 0.2832,
0.3194

60.0062, 0.2428,
0.3015

80.2990, 0.2983,
0.3246

56.2268, 0.2321,
0.2949

86.7960, 0.3138,
0.3293

52.9042, 0.2232,
0.2881

92.0470, 0.3230,
0.3336

■ 50.0012, 0.2162,
0.2813

■ 94.7455, 0.3226,
0.3379

■ 47.4738, 0.2112,
0.2746

■ 97.5087, 0.3222,
0.3421

■ 45.2535, 0.2078,
0.2679

■ 99.0126, 0.3220,
0.3444

■ 45.1047, 0.2076,
0.2674

Harmonies

Analogous

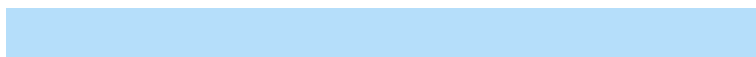
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.0597, 0.2794, 0.3358



69.0597, 0.2687, 0.3138



69.0597, 0.2692, 0.2971

Triad

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



69.0597, 0.2687, 0.3138



69.0597, 0.3254, 0.3035



69.0597, 0.3445, 0.3700

Complementary

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



69.0597, 0.2687, 0.3138



54.6598, 0.3739, 0.3436

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.



69.0597, 0.3579, 0.3593



69.0597, 0.2687, 0.3138



69.0597, 0.3468, 0.3212

Square

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



69.0597, 0.2687, 0.3138



69.0597, 0.3012, 0.2921



69.0597, 0.3589, 0.3413



69.0597, 0.3228, 0.3695

Rectangle

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



69.0597, 0.2687, 0.3138



69.0597, 0.2759, 0.2910



69.0597, 0.3589, 0.3413



69.0597, 0.3502, 0.3676

Sweetspot

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



69.0625, 0.2687, 0.3138



93.2163, 0.2988, 0.3247



73.5405, 0.3015, 0.3984



19.7288, 0.2965, 0.3240



0.0000, 0.0000, 0.0000



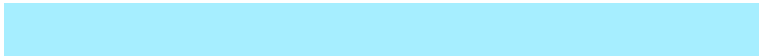
21.4041, 0.3127, 0.3290

Same Dimension

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



69.0625, 0.2687, 0.3138



76.7020, 0.2607, 0.3104



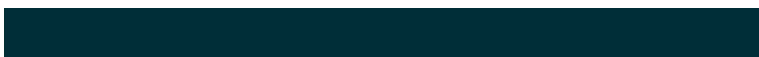
51.9911, 0.2641, 0.2713



17.4009, 0.2981, 0.3245



25.1041, 0.2079, 0.2685



2.2161, 0.2104, 0.2773

Inverse Universe

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



52.2089, 0.3267, 0.2686



54.6402, 0.3301, 0.2565



70.7547, 0.3632, 0.3806



15.9781, 0.3166, 0.3100



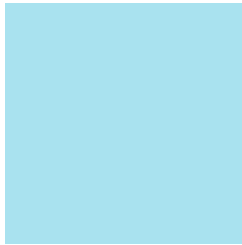
12.3276, 0.3742, 0.1835



1.0384, 0.3659, 0.1789

Previews

White Background



This preview shows how the Yxy color 69.0597, 0.2687, 0.3138 looks on a white background.

Color Contrast Check

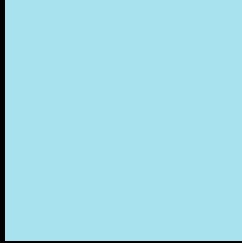
Large Text (above 18pt) WCAG AA × Fail

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 69.0597, 0.2687, 0.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

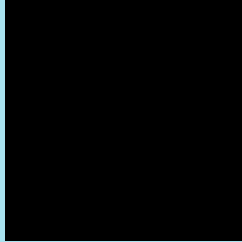
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.0597, 0.2687, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 69.0597, 0.2687, 0.3138.

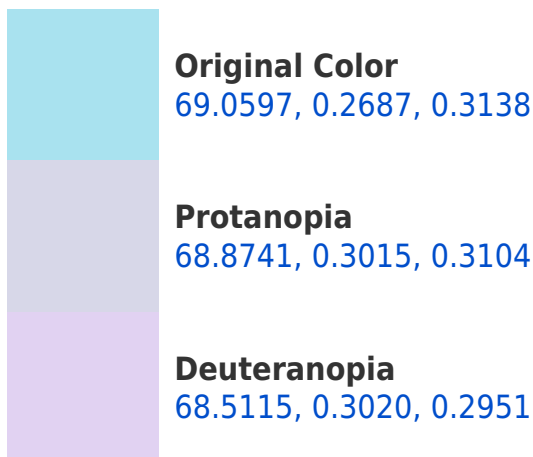


This preview shows how white text looks on a background with the Yxy color 69.0597, 0.2687, 0.3138.

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

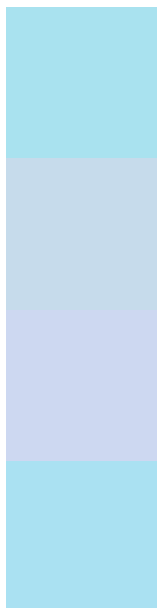




Tritanopia

68.8675, 0.2670, 0.3081

Trichromacy



Original Color

69.0597, 0.2687, 0.3138

Protanomaly

68.6670, 0.2881, 0.3110

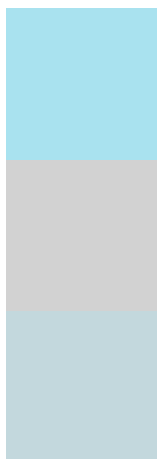
Deuteranomaly

68.4417, 0.2890, 0.3015

Tritanomaly

68.8073, 0.2676, 0.3093

Monochromacy



Original Color

69.0597, 0.2687, 0.3138

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.9343, 0.2947, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0597, 0.2687, 0.3138 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(169, 226, 239)` looks like.

```
.text, #text, p{  
    color:rgb(169, 226, 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(169, 226, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 226, 239) }
```

Border

The CSS property to change the border of an element to Yxy 69.0597, 0.2687, 0.3138 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(169, 226, 239) }
```

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

```
.border{ border-color:rgb(169, 226, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 226, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 226, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 226, 239); box-shadow:4px 4px 4px 4px rgb(169, 226, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0597, 0.2687, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 226, 239) }
```

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

```
.background{ background-color: rgb(169,  
226, 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