

Converting Colors

$Yxy(70.0064, 0.2676, 0.3027)$

Have a look what the booklet for
Yxy(70.0064, 0.2676, 0.3027)
contains.

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Color

Yxy(69.8578, 0.2678, 0.3029)

Conversions

Conversions Part 1

Format	Color
Hex	B0E1F8
RGB	176, 225, 248
RGB Percent	69%, 88%, 97%
CMY	0.3099, 0.1176, 0.0276
CMYK	0.29, 0.09, 0.00, 0.03
HSL	199°, 84%, 83%
HSV	199°, 29%, 97%
XYZ	61.7627, 69.8578, 99.0094
YIQ	212.9710, -36.5870, -3.2350

Conversions

Conversions Part 2

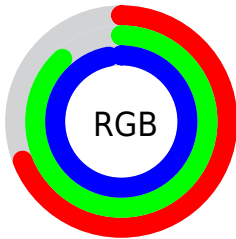
Format	Color
R _Y B	176, 205, 248
Decimal	11592184
CIE Lab	86.93, -10.57, -16.30
CIE LCh	87, 19.430, 237.032
Yxy	69.8578, 0.2678, 0.3029
Android (android.graphics.Color)	4289782264 (0xFFB0E1F8)
YUV	212.9710, 17.2693, -32.4236
Hunter-Lab	83.5810, -14.3630, -11.7278

Details

The Yxy color **69.8578, 0.2678, 0.3029** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **63.8938, 0.3705, 0.3536**, and the grayscale version is **66.4163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **36.6202, 0.2570, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **63.0539, 0.2530, 0.2923**, and if you desaturate by 10%, it is **77.3930, 0.2831, 0.3127**.

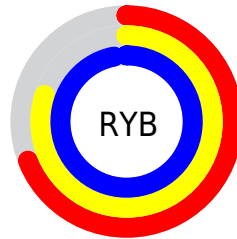
Distribution



Red (69%)

Green (88%)

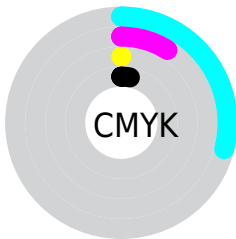
Blue (97%)



Red (69%)

Yellow (80%)

Blue (97%)

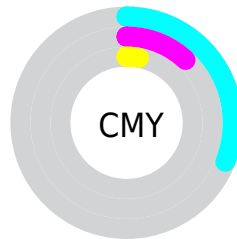


Cyan (29%)

Magenta (9%)

Yellow (0%)

Black (3%)



Cyan (31%)

Magenta (12%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8578, 0.2678, 0.3029 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 69.8578, 0.2678, 0.3029 by changing the saturation by 10% instead.

■ 69.8578, 0.2678,
0.3029

■ 69.8578, 0.2678,
0.3029

■ 460.0506, 0.2884,
0.3153

■ 51.4106, 0.2632,
0.3000

■ 119.0059, 0.2749,
0.3073

■ 36.5355, 0.2574,
0.2964

■ 150.4757, 0.2777,
0.3089

■ 24.8481, 0.2503,
0.2918

■ 187.0551, 0.2801,
0.3104

■ 15.9639, 0.2410,
0.2857

■ 229.1285, 0.2822,
0.3116

■ 9.4986, 0.2285,
0.2772

■ 277.0804, 0.2840,
0.3127

■ 5.0678, 0.2110,
0.2649

■ 331.2951, 0.2856,

■ 2.2871, 0.1849,

0.3137

0.2454

392.1570, 0.2871,
0.3145

0.7669, 0.1305,
0.2126

0.0000, 0.0000,
0.0000

69.8578, 0.2678,
0.3029

69.8578, 0.2678,
0.3029

63.0539, 0.2530,
0.2923

77.3930, 0.2831,
0.3127

56.9416, 0.2391,
0.2810

85.6804, 0.2987,
0.3217

51.4895, 0.2265,
0.2692

94.7501, 0.3142,
0.3297

46.6596, 0.2156,
0.2570

99.5554, 0.3168,
0.3357

■ 42.4091, 0.2066,
0.2447

■ 38.6877, 0.1997,
0.2325

■ 35.4213, 0.1947,
0.2205

■ 35.1221, 0.1943,
0.2193

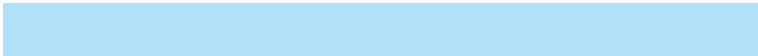
Harmonies

Analogous

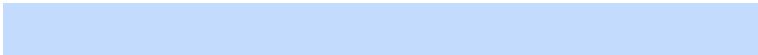
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.8578, 0.2718, 0.3223



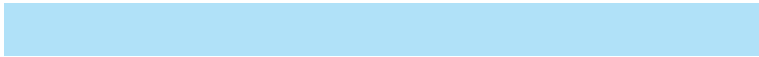
69.8578, 0.2678, 0.3029



69.8578, 0.2752, 0.2915

Triad

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



69.8578, 0.2678, 0.3029



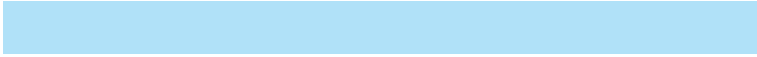
69.8578, 0.3390, 0.3137



69.8578, 0.3320, 0.3710

Complementary

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



69.8578, 0.2678, 0.3029



63.8938, 0.3705, 0.3536

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.



69.8578, 0.3510, 0.3668



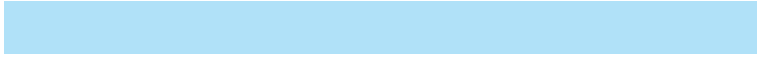
69.8578, 0.2678, 0.3029



69.8578, 0.3553, 0.3333

Square

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



69.8578, 0.2678, 0.3029



69.8578, 0.3157, 0.2981



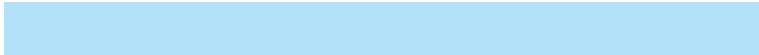
69.8578, 0.3597, 0.3527



69.8578, 0.3083, 0.3630

Rectangle

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



69.8578, 0.2678, 0.3029



69.8578, 0.2858, 0.2894



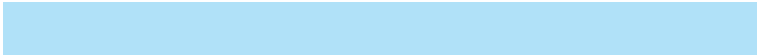
69.8578, 0.3597, 0.3527



69.8578, 0.3392, 0.3710

Sweetspot

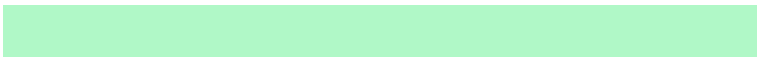
The Sweet Spot groups the original color and five complimentary colors.



69.8606, 0.2678, 0.3029



91.3248, 0.2987, 0.3217



80.4547, 0.2963, 0.3861



19.2608, 0.2965, 0.3204



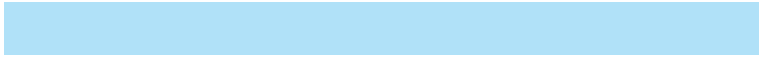
0.0000, 0.0000, 0.0000



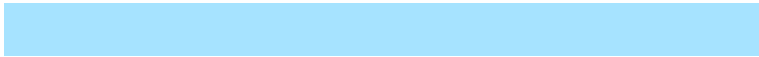
21.4041, 0.3127, 0.3290

Same Dimension

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



69.8606, 0.2678, 0.3029



69.9917, 0.2588, 0.2966



52.4684, 0.2632, 0.2602



18.6207, 0.2980, 0.3213



19.2423, 0.1948, 0.2212



1.9731, 0.1988, 0.2356

Inverse Universe

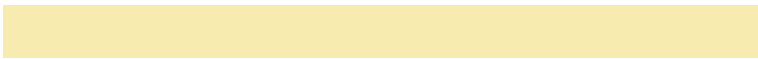
The Inverse Universe completely reimagines the original color for something new.



56.4253, 0.3344, 0.2782



53.9628, 0.3402, 0.2675



82.3683, 0.3602, 0.3895



17.4249, 0.3187, 0.3130



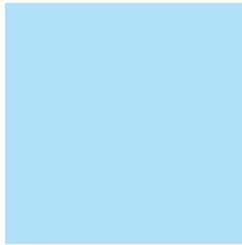
12.3534, 0.4219, 0.2098



1.1634, 0.4068, 0.2015

Previews

White Background



This preview shows how the Yxy color 69.8578, 0.2678, 0.3029 looks on a white background.

Color Contrast Check

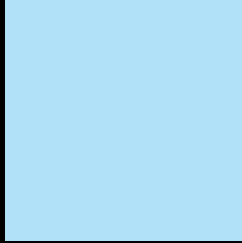
Large Text (above 18pt) WCAG AA × Fail

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 69.8578, 0.2678, 0.3029 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 69.8578, 0.2678, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 69.8578, 0.2678, 0.3029.

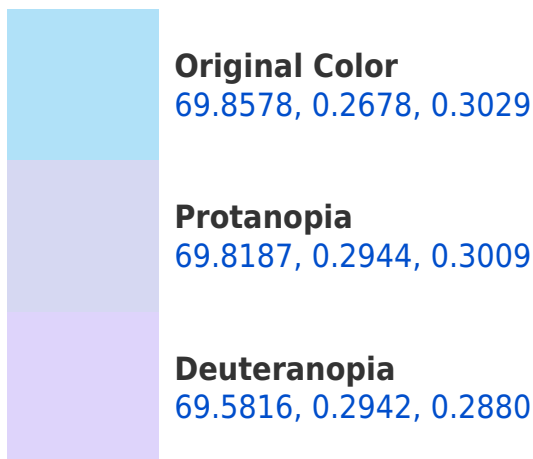


This preview shows how white text looks on a background with the Yxy color 69.8578, 0.2678, 0.3029.

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

70.0383, 0.2695, 0.3084

Trichromacy



Original Color

69.8578, 0.2678, 0.3029

Protanomaly

69.4740, 0.2841, 0.3014

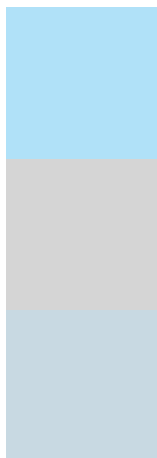
Deuteranomaly

69.5070, 0.2837, 0.2932

Tritanomaly

70.0992, 0.2689, 0.3073

Monochromacy



Original Color

69.8578, 0.2678, 0.3029

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.3961, 0.2949, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8578, 0.2678, 0.3029 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(176, 225, 248)` looks like.

```
.text, #text, p{  
    color:rgb(176, 225, 248)  
}
```

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(176, 225, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 225, 248) }
```

Border

The CSS property to change the border of an element to Yxy 69.8578, 0.2678, 0.3029 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(176, 225, 248) }
```

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

```
.border{ border-color:rgb(176, 225, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 225, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 225, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 225, 248);  
box-shadow:4px 4px 4px 4px rgb(176, 225,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8578, 0.2678, 0.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 225, 248) }
```

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

```
.background{ background-color: rgb(176,  
225, 248) }
```

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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