

Converting Colors

$Yxy(70.3014, 0.2674, 0.3083)$

Have a look what the booklet for
Yxy(70.3014, 0.2674, 0.3083)
contains.

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Color

Yxy(70.3014, 0.2674, 0.3083)

Conversions

Conversions Part 1

Format	Color
Hex	ACE3F5
RGB	172, 227, 245
RGB Percent	67%, 89%, 96%
CMY	0.3252, 0.1098, 0.0392
CMYK	0.30, 0.07, 0.00, 0.04
HSL	195°, 79%, 82%
HSV	195°, 30%, 96%
XYZ	60.9750, 70.3014, 96.7528
YIQ	212.6070, -38.5580, -6.0620

Conversions

Conversions Part 2

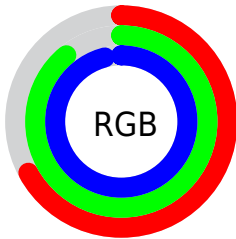
Format	Color
R_{YB}	172, 203, 245
Decimal	11330549
CIE _{Lab}	87.14, -13.36, -14.44
CIE _{LCh}	87, 19.674, 227.233
Yxy	70.3014, 0.2674, 0.3083
Android (android.graphics.Color)	4289520629 (0xFFACE3F5)
YUV	212.6070, 15.9697, -35.6123
Hunter-Lab	83.8459, -16.9204, -9.7247

Details

The Yxy color **70.3014, 0.2674, 0.3083** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.2605, 0.3739, 0.3487**, and the grayscale version is **66.1839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **36.9611, 0.2566, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **64.5282, 0.2533, 0.3002**, and if you desaturate by 10%, it is **76.7078, 0.2823, 0.3159**.

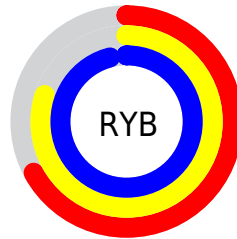
Distribution



Red (67%)

Green (89%)

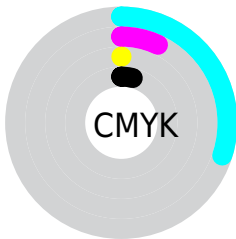
Blue (96%)



Red (67%)

Yellow (80%)

Blue (96%)

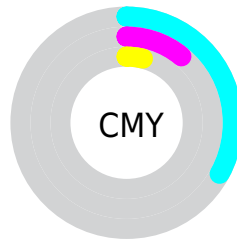


Cyan (30%)

Magenta (7%)

Yellow (0%)

Black (4%)



Cyan (33%)


Magenta (11%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3014, 0.2674, 0.3083 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 70.3014, 0.2674, 0.3083 by changing the saturation by 10% instead.


 70.3014, 0.2674,
0.3083

 70.3014, 0.2674,
0.3083


461.6076, 0.2882,
0.3183

 51.7723, 0.2627,
0.3059


 119.6385, 0.2746,
0.3118

 36.8236, 0.2570,
0.3030


151.2152, 0.2773,
0.3132

 25.0709, 0.2498,
0.2992


187.9100, 0.2798,
0.3143

 16.1299, 0.2404,
0.2942

230.1071, 0.2819,
0.3153

 9.6161, 0.2279,
0.2871

278.1911, 0.2837,
0.3162

 5.1452, 0.2103,
0.2767

332.5462, 0.2854,

 2.3327, 0.1840,

0.3170

0.2598

393.5569, 0.2868,
0.3176

0.7909, 0.1251,
0.2325

0.0000, 0.0000,
0.0000

70.3014, 0.2674,
0.3083

70.3014, 0.2674,
0.3083

64.5282, 0.2533,
0.3002

76.7078, 0.2823,
0.3159

59.3504, 0.2404,
0.2916

83.7661, 0.2976,
0.3228

54.7388, 0.2289,
0.2826

91.5044, 0.3131,
0.3291

50.6579, 0.2192,
0.2734

96.9759, 0.3188,
0.3350

■ 47.0671, 0.2114,
0.2641

■ 99.3735, 0.3185,
0.3386

■ 43.9183, 0.2056,
0.2548

■ 41.1344, 0.2016,
0.2456

■ 41.0740, 0.2015,
0.2454

Harmonies

Analogous

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



70.3014, 0.2752, 0.3296



70.3014, 0.2674, 0.3083



70.3014, 0.2711, 0.2938

Triad

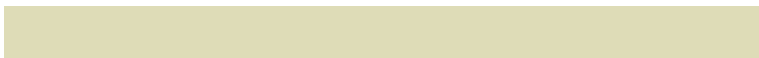
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.3014, 0.2674, 0.3083



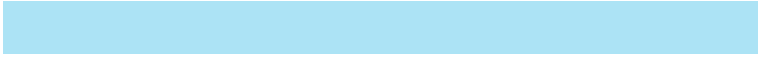
70.3014, 0.3320, 0.3077



70.3014, 0.3393, 0.3714

Complementary

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



70.3014, 0.2674, 0.3083



59.2605, 0.3739, 0.3487

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.



70.3014, 0.3556, 0.3634



70.3014, 0.2674, 0.3083



70.3014, 0.3515, 0.3266

Square

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



70.3014, 0.2674, 0.3083



70.3014, 0.3078, 0.2942



70.3014, 0.3603, 0.3468



70.3014, 0.3162, 0.3673

Rectangle

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



70.3014, 0.2674, 0.3083



70.3014, 0.2798, 0.2895



70.3014, 0.3603, 0.3468



70.3014, 0.3458, 0.3700

Sweetspot

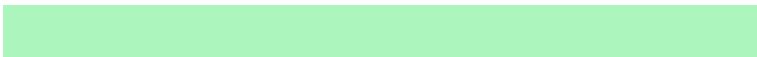
The Sweet Spot groups the original color and five complimentary colors.



70.3042, 0.2674, 0.3083



92.3396, 0.2988, 0.3233



77.7693, 0.2993, 0.3953



19.5117, 0.2965, 0.3224



0.0000, 0.0000, 0.0000



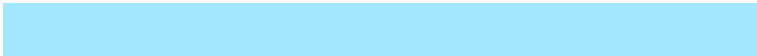
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3042, 0.2674, 0.3083



72.9207, 0.2584, 0.3032



52.8584, 0.2626, 0.2657



18.0236, 0.2980, 0.3230



22.3540, 0.2019, 0.2469



2.1254, 0.2051, 0.2584

Inverse Universe

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



54.4894, 0.3307, 0.2718



53.3698, 0.3355, 0.2596



76.5503, 0.3632, 0.3851



16.6942, 0.3176, 0.3114



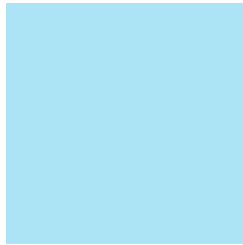
12.3560, 0.3953, 0.1951



1.1022, 0.3839, 0.1889

Previews

White Background



This preview shows how the Yxy color 70.3014, 0.2674, 0.3083 looks on a white background.

Color Contrast Check

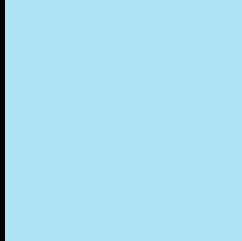
Large Text (above 18pt) WCAG AA × Fail

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 70.3014, 0.2674, 0.3083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

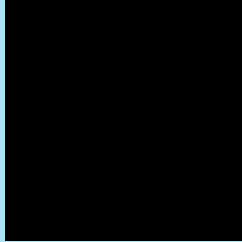
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3014, 0.2674, 0.3083

Background



This preview shows how black text looks on a background with the Yxy color 70.3014, 0.2674, 0.3083.

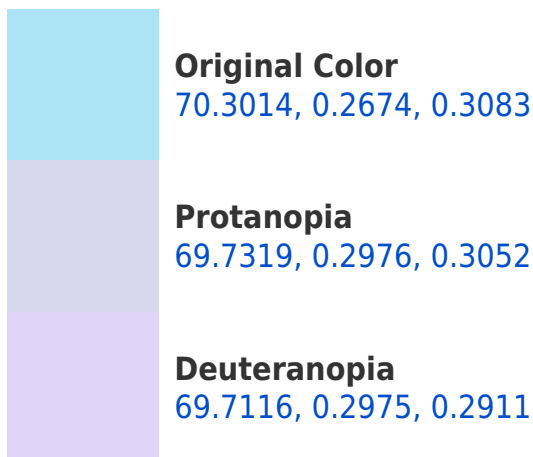


This preview shows how white text looks on a background with the Yxy color 70.3014, 0.2674, 0.3083.

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

70.3014, 0.2674, 0.3083

Trichromacy



Original Color

70.3014, 0.2674, 0.3083

Protanomaly

69.6794, 0.2853, 0.3057

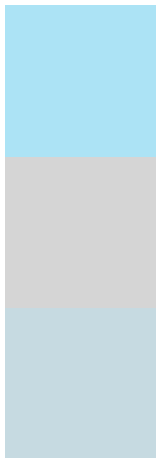
Deuteranomaly

69.3202, 0.2854, 0.2963

Tritanomaly

70.3014, 0.2674, 0.3083

Monochromacy



Original Color

70.3014, 0.2674, 0.3083

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.5848, 0.2942, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3014, 0.2674, 0.3083 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(172, 227, 245)` looks like.

```
.text, #text, p{  
    color:rgb(172, 227, 245)  
}
```

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(172, 227, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 227, 245) }
```

Border

The CSS property to change the border of an element to Yxy 70.3014, 0.2674, 0.3083 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(172, 227, 245) }
```

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

```
.border{ border-color:rgb(172, 227, 245) }
```

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

Here you see how a box with a 4 pixel rgb(172, 227, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 227, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 227, 245);  
box-shadow:4px 4px 4px 4px rgb(172, 227,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3014, 0.2674, 0.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 227, 245) }
```

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

```
.background{ background-color: rgb(172,  
227, 245) }
```

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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