

Converting Colors

$Yxy(78.5750, 0.2824, 0.3107)$

Have a look what the booklet for
Yxy(78.5750, 0.2824, 0.3107)
contains.

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Color

Yxy(78.3672, 0.2823, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	CAEAFB
RGB	202, 234, 251
RGB Percent	79%, 92%, 98%
CMY	0.2077, 0.0824, 0.0156
CMYK	0.20, 0.07, 0.00, 0.02
HSL	201°, 86%, 89%
HSV	201°, 20%, 98%
XYZ	71.2039, 78.3672, 102.6567
YIQ	226.3700, -24.5290, -1.4970

Conversions

Conversions Part 2

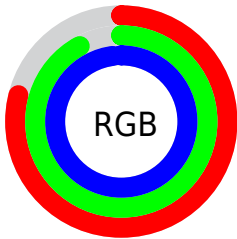
Format	Color
R _Y B	202, 221, 251
Decimal	13298427
CIE Lab	90.95, -6.87, -11.72
CIE LCh	91, 13.587, 239.617
Yxy	78.3672, 0.2823, 0.3107
Android (android.graphics.Color)	4291488507 (0xFFCAEAFB)
YUV	226.3700, 12.1426, -21.3725
Hunter-Lab	88.5253, -11.3454, -6.7869

Details

The Yxy color **78.3672, 0.2823, 0.3107** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.4828, 0.3481, 0.3466**, and the grayscale version is **76.2667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9389, 0.2756, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **70.2998, 0.2668, 0.2999**, and if you desaturate by 10%, it is **87.2555, 0.2980, 0.3205**.

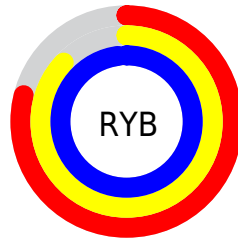
Distribution



Red (79%)

Green (92%)

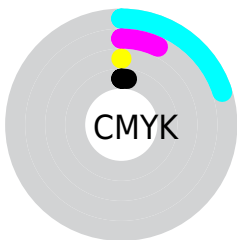
Blue (98%)



Red (79%)

Yellow (87%)

Blue (98%)

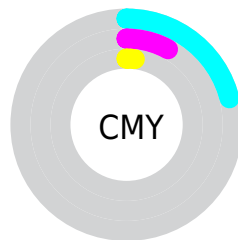


Cyan (20%)

Magenta (7%)

Yellow (0%)

Black (2%)



Cyan (21%)

Magenta (8%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3672, 0.2823, 0.3107 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 78.3672, 0.2823, 0.3107 by changing the saturation by 10% instead.

■ 78.3672, 0.2823,
0.3107

■ 78.3672, 0.2823,
0.3107

489.4130, 0.2961,
0.3192

■ 58.3757, 0.2792,
0.3088

131.0676, 0.2870,
0.3136

■ 42.1107, 0.2755,
0.3064

164.5453, 0.2889,
0.3148

■ 29.1880, 0.2708,
0.3034

203.2872, 0.2905,
0.3158

■ 19.2231, 0.2648,
0.2994

247.6776, 0.2919,
0.3166

■ 11.8316, 0.2567,
0.2941

298.1010, 0.2931,
0.3174

■ 6.6291, 0.2455,
0.2865

354.9418, 0.2942,

■ 3.2313, 0.2288,

0.3180

0.2747

418.5843, 0.2952,
0.3186

1.2536, 0.2014,
0.2545

0.1049, 0.0000,
0.1010

78.3672, 0.2823,
0.3107

78.3672, 0.2823,
0.3107

70.2998, 0.2668,
0.2999

87.2555, 0.2980,
0.3205

63.0126, 0.2517,
0.2883

96.9841, 0.3135,
0.3294

56.4755, 0.2376,
0.2758

99.7464, 0.3150,
0.3328

50.6523, 0.2246,
0.2628

■ 45.5029, 0.2134,
0.2494

■ 40.9818, 0.2040,
0.2359

■ 37.0357, 0.1968,
0.2224

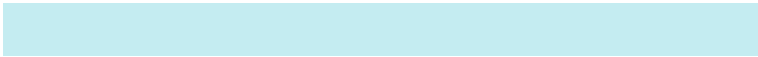
■ 33.5833, 0.1915,
0.2093

■ 33.4224, 0.1913,
0.2086

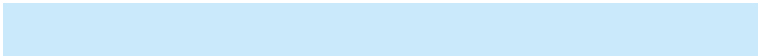
Harmonies

Analogous

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



78.3672, 0.2844, 0.3235



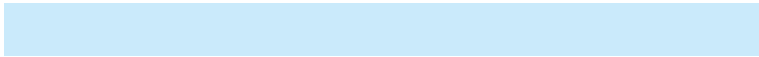
78.3672, 0.2823, 0.3107



78.3672, 0.2881, 0.3033

Triad

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



78.3672, 0.2823, 0.3107



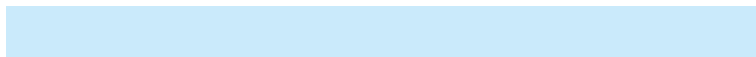
78.3672, 0.3316, 0.3197



78.3672, 0.3246, 0.3569

Complementary

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



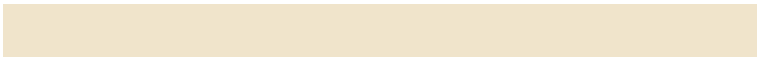
78.3672, 0.2823, 0.3107



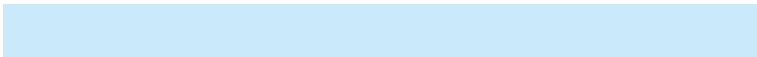
75.4828, 0.3481, 0.3466

Split Complementary

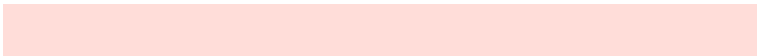
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3672, 0.3377, 0.3551



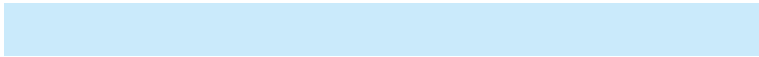
78.3672, 0.2823, 0.3107



78.3672, 0.3419, 0.3334

Square

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



78.3672, 0.2823, 0.3107



78.3672, 0.3163, 0.3086



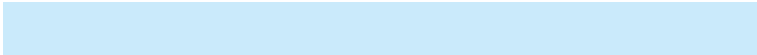
78.3672, 0.3441, 0.3463



78.3672, 0.3086, 0.3507

Rectangle

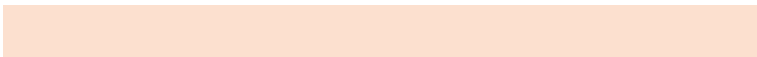
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



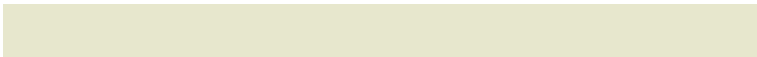
78.3672, 0.2823, 0.3107



78.3672, 0.2957, 0.3021



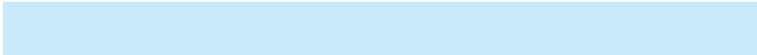
78.3672, 0.3441, 0.3463



78.3672, 0.3295, 0.3571

Sweetspot

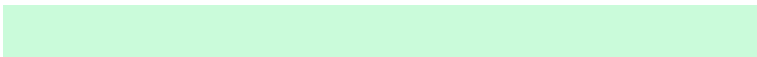
The Sweet Spot groups the original color and five complimentary colors.



78.3704, 0.2823, 0.3107



93.8652, 0.3034, 0.3238



86.6523, 0.3010, 0.3644



19.9522, 0.3024, 0.3232



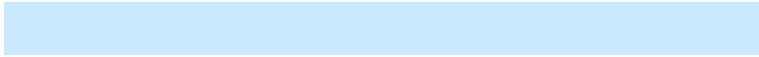
0.0000, 0.0000, 0.0000



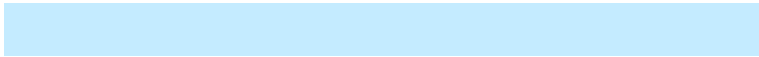
21.4041, 0.3127, 0.3290

Same Dimension

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



78.3704, 0.2823, 0.3107



78.1939, 0.2768, 0.3070



65.7262, 0.2807, 0.2843



18.5330, 0.2980, 0.3206



17.8479, 0.1919, 0.2108



1.8512, 0.1963, 0.2266

Inverse Universe

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



68.7164, 0.3272, 0.2967



66.8733, 0.3303, 0.2907



88.7965, 0.3437, 0.3700



17.4160, 0.3191, 0.3136



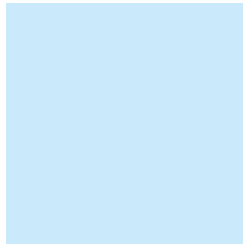
12.2127, 0.4332, 0.2160



1.1511, 0.4162, 0.2067

Previews

White Background



This preview shows how the Yxy color 78.3672, 0.2823, 0.3107 looks on a white background.

Color Contrast Check

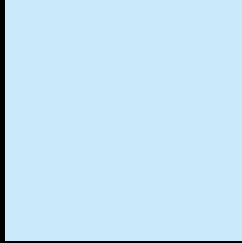
Large Text (above 18pt) WCAG AA × Fail

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 78.3672, 0.2823, 0.3107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

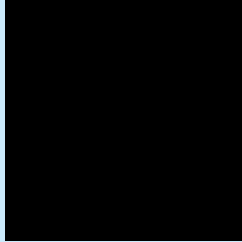
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

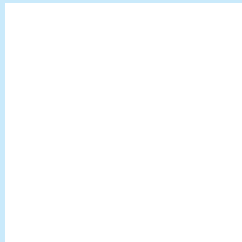
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3672, 0.2823, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 78.3672, 0.2823, 0.3107.

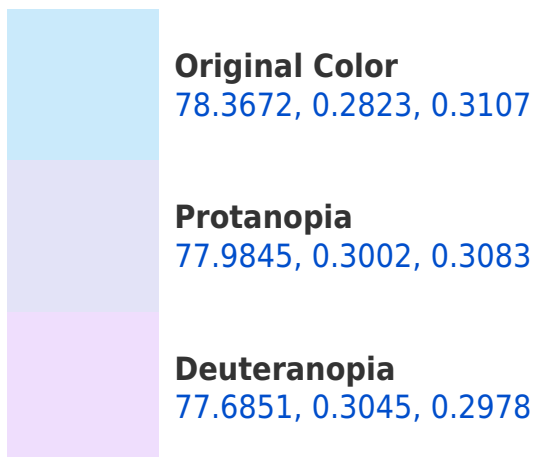


This preview shows how white text looks on a background with the Yxy color 78.3672, 0.2823, 0.3107.

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

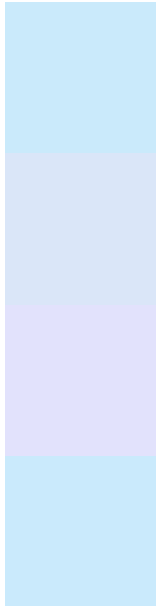




Tritanopia

78.4305, 0.2817, 0.3097

Trichromacy



Original Color

78.3672, 0.2823, 0.3107

Protanomaly

78.2764, 0.2938, 0.3101

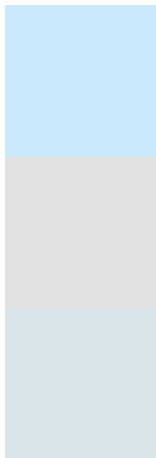
Deuteranomaly

77.5897, 0.2965, 0.3022

Tritanomaly

78.4305, 0.2817, 0.3097

Monochromacy



Original Color

78.3672, 0.2823, 0.3107

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.7885, 0.3009, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3672, 0.2823, 0.3107 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(202, 234, 251)` looks like.

```
.text, #text, p{  
    color:rgb(202, 234, 251)  
}
```

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(202, 234, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 234, 251) }
```

Border

The CSS property to change the border of an element to Yxy 78.3672, 0.2823, 0.3107 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(202, 234, 251) }
```

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

```
.border{ border-color:rgb(202, 234, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 234, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 234, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 234, 251);  
box-shadow:4px 4px 4px 4px rgb(202, 234,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3672, 0.2823, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 234, 251) }
```

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

```
.background{ background-color: rgb(202,  
234, 251) }
```

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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