

Converting Colors

$Yxy(68.0228, 0.2675, 0.2889)$

Have a look what the booklet for
Yxy(68.0228, 0.2675, 0.2889)
contains.

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Color

Yxy(67.9503, 0.2674, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	B7DBFF
RGB	183, 219, 255
RGB Percent	72%, 86%, 100%
CMY	0.2823, 0.1412, 0.0000
CMYK	0.28, 0.14, 0.00, 0.00
HSL	210°, 100%, 86%
HSV	210°, 28%, 100%
XYZ	62.9152, 67.9503, 104.4195
YIQ	212.3400, -33.0120, 3.5640

Conversions

Conversions Part 2

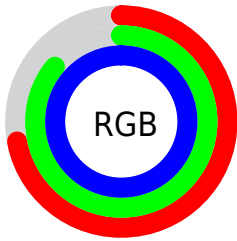
Format	Color
R _Y B	183, 207, 255
Decimal	12049407
CIE Lab	85.98, -3.82, -21.40
CIE LCh	86, 21.737, 259.876
Yxy	67.9503, 0.2674, 0.2888
Android (android.graphics.Color)	4290239487 (0xFFB7DBFF)
YUV	212.3400, 21.0314, -25.7312
Hunter-Lab	82.4320, -8.0180, -17.4023

Details

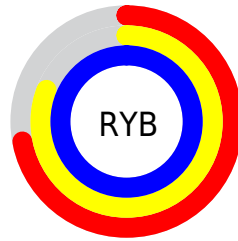
The Yxy color **67.9503, 0.2674, 0.2888** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.3558, 0.3649, 0.3660**, and the grayscale version is **65.9533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **35.2173, 0.2567, 0.2793** is the 20% darker color. If you saturate the color by 10%, you get **58.7006, 0.2509, 0.2718**, and if you desaturate by 10%, it is **78.2799, 0.2839, 0.3044**.

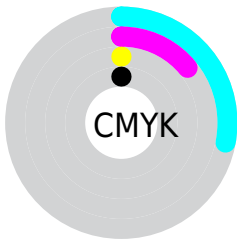
Distribution



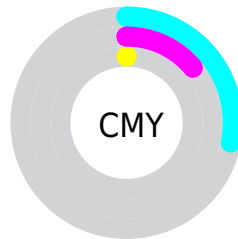
- Red (72%)
- Green (86%)
- Blue (100%)



- Red (72%)
- Yellow (81%)
- Blue (100%)



- Cyan (28%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9503, 0.2674, 0.2888 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 67.9503, 0.2674, 0.2888 by changing the saturation by 10% instead.

■ 67.9503, 0.2674,
0.2888

■ 67.9503, 0.2674,
0.2888

453.3199, 0.2883,
0.3076

■ 49.8573, 0.2627,
0.2845

■ 116.2810, 0.2746,
0.2953

■ 35.3000, 0.2568,
0.2792

147.2876, 0.2774,
0.2979

■ 23.8941, 0.2495,
0.2724

183.3674, 0.2799,
0.3000

■ 15.2551, 0.2400,
0.2637

224.9049, 0.2820,
0.3019

■ 8.9986, 0.2272,
0.2517

272.2846, 0.2839,
0.3036

■ 4.7403, 0.2093,
0.2348

325.8907, 0.2855,

■ 2.0957, 0.1825,

0.3051

0.2090

386.1076, 0.2870,
0.3064

0.6622, 0.1328,
0.1641

0.0000, 0.0000,
0.0000

67.9503, 0.2674,
0.2888

67.9503, 0.2674,
0.2888

58.7006, 0.2509,
0.2718

78.2799, 0.2839,
0.3044

50.4836, 0.2348,
0.2535

89.7234, 0.3000,
0.3185

43.2558, 0.2195,
0.2343

100.0000, 0.3127,
0.3290

36.9678, 0.2057,
0.2146

■ 31.5644, 0.1939,
0.1948

■ 26.9823, 0.1844,
0.1756

■ 23.1386, 0.1774,
0.1575

■ 22.5158, 0.1762,
0.1544

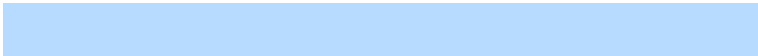
Harmonies

Analogous

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



67.9503, 0.2621, 0.3039



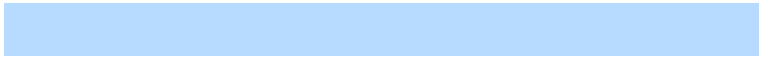
67.9503, 0.2674, 0.2888



67.9503, 0.2844, 0.2846

Triad

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



67.9503, 0.2674, 0.2888



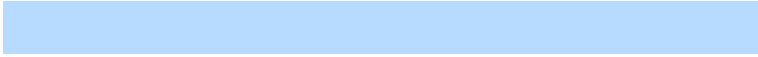
67.9503, 0.3576, 0.3282



67.9503, 0.3141, 0.3710

Complementary

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



67.9503, 0.2674, 0.2888



75.3558, 0.3649, 0.3660

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.



67.9503, 0.3403, 0.3767



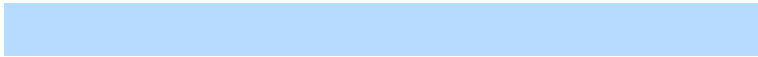
67.9503, 0.2674, 0.2888



67.9503, 0.3661, 0.3506

Square

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



67.9503, 0.2674, 0.2888



67.9503, 0.3365, 0.3070



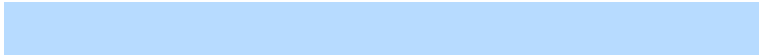
67.9503, 0.3595, 0.3686



67.9503, 0.2884, 0.3524

Rectangle

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



67.9503, 0.2674, 0.2888



67.9503, 0.3006, 0.2879



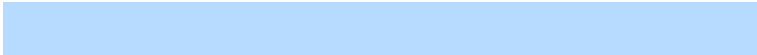
67.9503, 0.3595, 0.3686



67.9503, 0.3231, 0.3745

Sweetspot

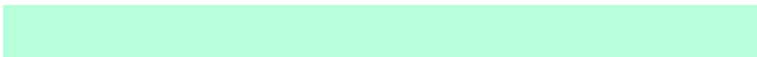
The Sweet Spot groups the original color and five complimentary colors.



67.9520, 0.2674, 0.2888



89.9957, 0.3003, 0.3188



86.7051, 0.2898, 0.3690



18.8779, 0.2979, 0.3168



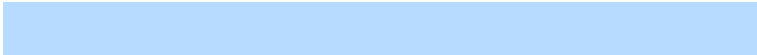
0.0000, 0.0000, 0.0000



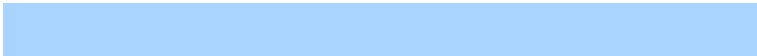
21.4041, 0.3127, 0.3290

Same Dimension

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



67.9520, 0.2674, 0.2888



62.4819, 0.2579, 0.2792



51.1664, 0.2630, 0.2468



18.8779, 0.2979, 0.3168



12.0636, 0.1770, 0.1573



1.3930, 0.1828, 0.1779

Inverse Universe

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



60.2507, 0.3443, 0.2923



54.1112, 0.3530, 0.2845



96.1998, 0.3555, 0.3998



18.1385, 0.3215, 0.3172



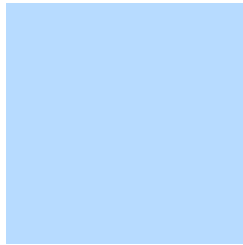
11.9458, 0.4965, 0.2509



1.1852, 0.4711, 0.2369

Previews

White Background



This preview shows how the Yxy color 67.9503, 0.2674, 0.2888 looks on a white background.

Color Contrast Check

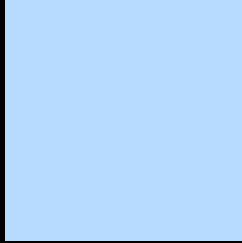
Large Text (above 18pt) WCAG AA × Fail

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 67.9503, 0.2674, 0.2888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

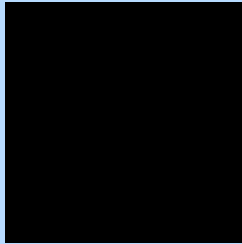
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

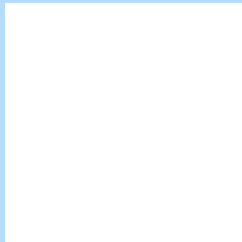
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9503, 0.2674, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 67.9503, 0.2674, 0.2888.

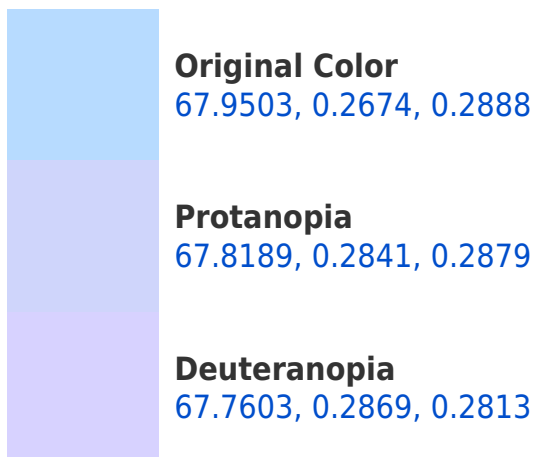


This preview shows how white text looks on a background with the Yxy color 67.9503, 0.2674, 0.2888.

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

68.1778, 0.2747, 0.3094

Trichromacy



Original Color

67.9503, 0.2674, 0.2888

Protanomaly

67.6349, 0.2779, 0.2884

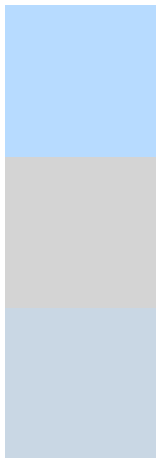
Deuteranomaly

67.5050, 0.2792, 0.2835

Tritanomaly

68.1292, 0.2719, 0.3017

Monochromacy



Original Color

67.9503, 0.2674, 0.2888

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.6198, 0.2943, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9503, 0.2674, 0.2888 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(183, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 219, 255)  
}
```

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(183, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.9503, 0.2674, 0.2888 is called "border". The border property can be set on classes, ids or directly on the HTML element.

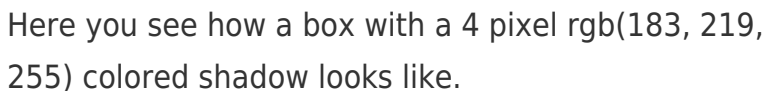
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 219, 255) }
```

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

```
.border{ border-color:rgb(183, 219, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 219, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 219, 255); box-shadow:4px 4px 4px 4px rgb(183, 219, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9503, 0.2674, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 219, 255) }
```

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

```
.background{ background-color: rgb(183,  
219, 255) }
```

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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