

Converting Colors

$Yxy(68.4724, 0.2726, 0.2917)$

Have a look what the booklet for
Yxy(68.4724, 0.2726, 0.2917)
contains.

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Color

Yxy(68.5101, 0.2726, 0.2923)

Conversions

Conversions Part 1

Format	Color
Hex	BDDBFC
RGB	189, 219, 252
RGB Percent	74%, 86%, 99%
CMY	0.2588, 0.1412, 0.0116
CMYK	0.25, 0.13, 0.00, 0.01
HSL	211°, 91%, 86%
HSV	211°, 25%, 99%
XYZ	63.8928, 68.5101, 101.9800
YIQ	213.7920, -28.4730, 3.9030

Conversions

Conversions Part 2

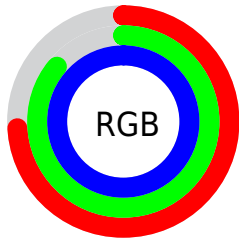
Format	Color
R _Y B	189, 209, 252
Decimal	12442620
CIE Lab	86.26, -2.78, -19.37
CIE LCh	86, 19.567, 261.834
Yxy	68.5101, 0.2726, 0.2923
Android (android.graphics.Color)	4290632700 (0xFFBDDDBFC)
YUV	213.7920, 18.8365, -21.7426
Hunter-Lab	82.7708, -7.0606, -15.1102

Details

The Yxy color **68.5101, 0.2726, 0.2923** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.6391, 0.3576, 0.3631**, and the grayscale version is **66.9862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **35.6419, 0.2638, 0.2839** is the 20% darker color. If you saturate the color by 10%, you get **58.9438, 0.2559, 0.2749**, and if you desaturate by 10%, it is **79.1889, 0.2891, 0.3082**.

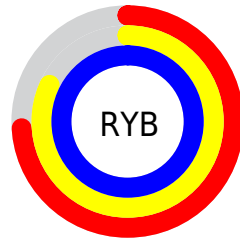
Distribution



Red (74%)

Green (86%)

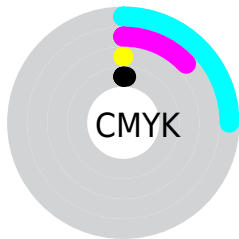
Blue (99%)



Red (74%)

Yellow (82%)

Blue (99%)

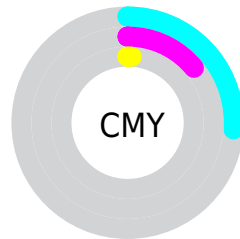


Cyan (25%)

Magenta (13%)

Yellow (0%)

Black (1%)



Cyan (26%)

Magenta (14%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5101, 0.2726, 0.2923 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 68.5101, 0.2726, 0.2923 by changing the saturation by 10% instead.

■ 68.5101, 0.2726,
0.2923

■ 68.5101, 0.2726,
0.2923

■ 455.3012, 0.2911,
0.3094

■ 50.3128, 0.2684,
0.2884

■ 117.0816, 0.2790,
0.2982

■ 35.6620, 0.2632,
0.2835

■ 148.2246, 0.2815,
0.3006

■ 24.1733, 0.2567,
0.2774

■ 184.4516, 0.2837,
0.3025

■ 15.4622, 0.2482,
0.2694

■ 226.1471, 0.2855,
0.3043

■ 9.1444, 0.2367,
0.2585

■ 273.6954, 0.2872,
0.3058

■ 4.8355, 0.2205,
0.2430

■ 327.4809, 0.2887,

■ 2.1511, 0.1961,

0.3071

0.2192

387.8881, 0.2900,
0.3083

0.6931, 0.1513,
0.1775

0.0000, 0.0000,
0.0000

68.5101, 0.2726,
0.2923

68.5101, 0.2726,
0.2923

58.9438, 0.2559,
0.2749

79.1889, 0.2891,
0.3082

50.4401, 0.2393,
0.2561

91.0110, 0.3050,
0.3224

42.9571, 0.2234,
0.2362

99.8105, 0.3144,
0.3318

36.4464, 0.2087,
0.2156

■ 30.8544, 0.1959,
0.1949

■ 26.1203, 0.1853,
0.1747

■ 22.1721, 0.1773,
0.1556

■ 20.4500, 0.1741,
0.1466

Harmonies

Analogous

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



68.5101, 0.2671, 0.3055



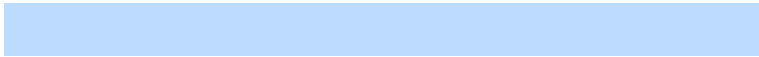
68.5101, 0.2726, 0.2923



68.5101, 0.2886, 0.2891

Triad

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



68.5101, 0.2726, 0.2923



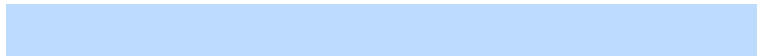
68.5101, 0.3538, 0.3298



68.5101, 0.3125, 0.3657

Complementary

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



68.5101, 0.2726, 0.2923



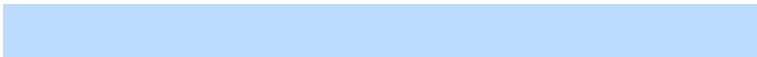
76.6391, 0.3576, 0.3631

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.



68.5101, 0.3361, 0.3718



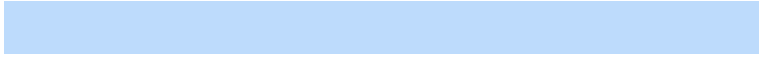
68.5101, 0.2726, 0.2923



68.5101, 0.3606, 0.3498

Square

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



68.5101, 0.2726, 0.2923



68.5101, 0.3356, 0.3103



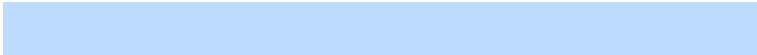
68.5101, 0.3539, 0.3654



68.5101, 0.2895, 0.3486

Rectangle

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



68.5101, 0.2726, 0.2923



68.5101, 0.3034, 0.2925



68.5101, 0.3539, 0.3654



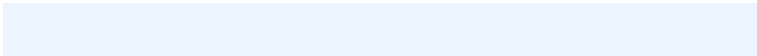
68.5101, 0.3206, 0.3691

Sweetspot

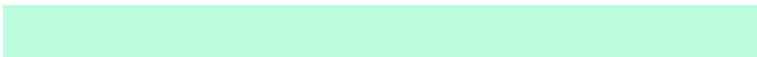
The Sweet Spot groups the original color and five complimentary colors.



68.5129, 0.2726, 0.2923



89.7013, 0.3003, 0.3183



85.7131, 0.2916, 0.3626



18.8038, 0.2979, 0.3162



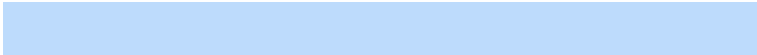
0.0000, 0.0000, 0.0000



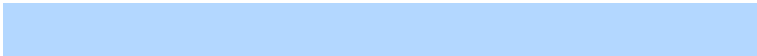
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5129, 0.2726, 0.2923



65.2975, 0.2642, 0.2838



54.3810, 0.2702, 0.2577



18.0057, 0.2980, 0.3162



10.9402, 0.1749, 0.1496



1.2240, 0.1811, 0.1718

Inverse Universe

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



62.2130, 0.3410, 0.2982



58.2016, 0.3484, 0.2917



93.8237, 0.3499, 0.3918



17.3628, 0.3219, 0.3178



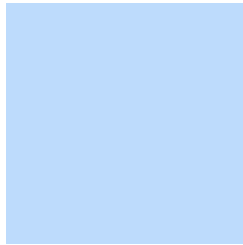
11.5153, 0.5065, 0.2564



1.0878, 0.4785, 0.2410

Previews

White Background



This preview shows how the Yxy color 68.5101, 0.2726, 0.2923 looks on a white background.

Color Contrast Check

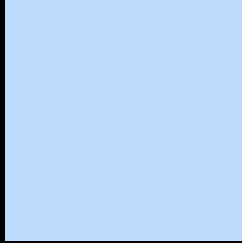
Large Text (above 18pt) WCAG AA × Fail

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 68.5101, 0.2726, 0.2923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

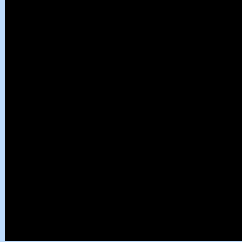
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

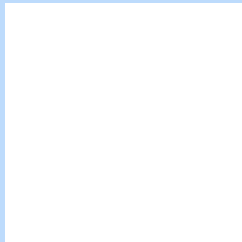
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5101, 0.2726, 0.2923

Background



This preview shows how black text looks on a background with the Yxy color 68.5101, 0.2726, 0.2923.



This preview shows how white text looks on a background with the Yxy color 68.5101, 0.2726, 0.2923.

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



Original Color

68.5101, 0.2726, 0.2923

Protanopia

68.4880, 0.2867, 0.2912

Deuteranopia

68.1544, 0.2895, 0.2825



Tritanopia

68.3840, 0.2783, 0.3085

Trichromacy



Original Color

68.5101, 0.2726, 0.2923

Protanomaly

68.5704, 0.2817, 0.2919

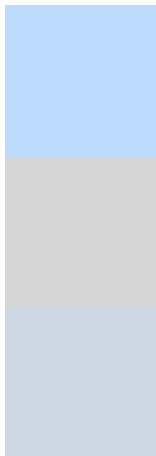
Deuteranomaly

67.9457, 0.2829, 0.2858

Tritanomaly

68.2828, 0.2760, 0.3019

Monochromacy



Original Color

68.5101, 0.2726, 0.2923

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.6923, 0.2971, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5101, 0.2726, 0.2923 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(189, 219, 252)` looks like.

```
.text, #text, p{  
    color:rgb(189, 219, 252)  
}
```

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(189, 219, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 219, 252) }
```

Border

The CSS property to change the border of an element to Yxy 68.5101, 0.2726, 0.2923 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(189, 219, 252) }
```

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

```
.border{ border-color:rgb(189, 219, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 219, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 219, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 219, 252);  
box-shadow:4px 4px 4px 4px rgb(189, 219,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5101, 0.2726, 0.2923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 219, 252) }
```

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

```
.background{ background-color: rgb(189,  
219, 252) }
```

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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