

Converting Colors

$Yxy(67.3281, 0.2711, 0.2880)$

Have a look what the booklet for
Yxy(67.3281, 0.2711, 0.2880)
contains.

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Color

Yxy(67.4728, 0.2707, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	BCD9FE
RGB	188, 217, 254
RGB Percent	74%, 85%, 100%
CMY	0.2627, 0.1490, 0.0039
CMYK	0.26, 0.15, 0.00, 0.00
HSL	214°, 97%, 87%
HSV	214°, 26%, 100%
XYZ	63.4418, 67.4728, 103.4474
YIQ	212.5470, -29.1610, 5.3590

Conversions

Conversions Part 2

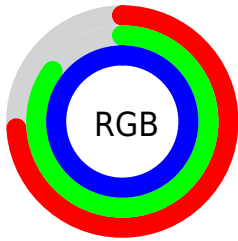
Format	Color
R _Y B	188, 208, 254
Decimal	12376574
CIE Lab	85.74, -1.58, -21.20
CIE LCh	86, 21.256, 265.747
Yxy	67.4728, 0.2707, 0.2879
Android (android.graphics.Color)	4290566654 (0xFFBCD9FE)
YUV	212.5470, 20.4363, -21.5277
Hunter-Lab	82.1418, -5.8847, -17.1691

Details

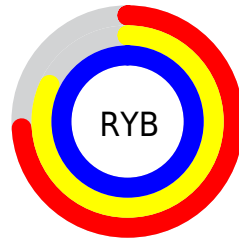
The Yxy color **67.4728, 0.2707, 0.2879** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.5552, 0.3590, 0.3669**, and the grayscale version is **66.0992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **34.8584, 0.2606, 0.2781** is the 20% darker color. If you saturate the color by 10%, you get **57.5012, 0.2537, 0.2690**, and if you desaturate by 10%, it is **78.6509, 0.2874, 0.3051**.

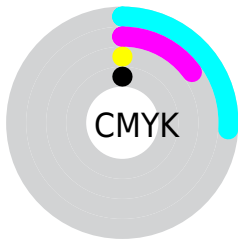
Distribution



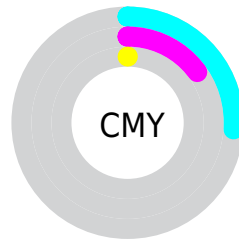
- Red (74%)
- Green (85%)
- Blue (100%)



- Red (74%)
- Yellow (82%)
- Blue (100%)



- Cyan (26%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.4728, 0.2707, 0.2879 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 67.4728, 0.2707, 0.2879 by changing the saturation by 10% instead.

■ 67.4728, 0.2707,
0.2879

■ 67.4728, 0.2707,
0.2879

451.6259, 0.2902,
0.3070

■ 49.4690, 0.2663,
0.2835

■ 115.5976, 0.2774,
0.2945

■ 34.9916, 0.2608,
0.2781

146.4874, 0.2801,
0.2971

■ 23.6564, 0.2539,
0.2713

182.4413, 0.2823,
0.2993

■ 15.0790, 0.2450,
0.2624

223.8436, 0.2843,
0.3013

■ 8.8748, 0.2329,
0.2503

271.0789, 0.2860,
0.3030

■ 4.6596, 0.2159,
0.2332

324.5314, 0.2876,

■ 2.0490, 0.1902,

0.3045

0.2072

384.5856, 0.2889,
0.3058

0.6357, 0.1431,
0.1609

0.0000, 0.0000,
0.0000

67.4728, 0.2707,
0.2879

67.4728, 0.2707,
0.2879

57.5012, 0.2537,
0.2690

78.6509, 0.2874,
0.3051

48.6824, 0.2367,
0.2487

91.0703, 0.3035,
0.3206

40.9700, 0.2204,
0.2272

99.9360, 0.3133,
0.3299

34.3107, 0.2054,
0.2052

■ 28.6459, 0.1922,
0.1831

■ 23.9088, 0.1815,
0.1619

■ 20.0204, 0.1734,
0.1422

■ 18.6576, 0.1708,
0.1348

Harmonies

Analogous

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



67.4728, 0.2631, 0.3008



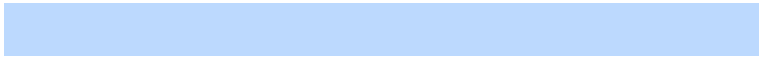
67.4728, 0.2707, 0.2879



67.4728, 0.2893, 0.2859

Triad

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



67.4728, 0.2707, 0.2879



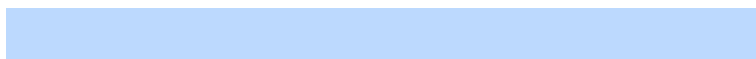
67.4728, 0.3594, 0.3326



67.4728, 0.3089, 0.3674

Complementary

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



67.4728, 0.2707, 0.2879



78.5552, 0.3590, 0.3669

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.



67.4728, 0.3350, 0.3757



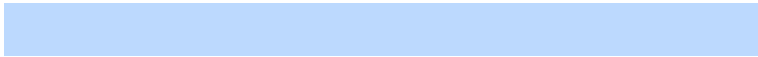
67.4728, 0.2707, 0.2879



67.4728, 0.3649, 0.3541

Square

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



67.4728, 0.2707, 0.2879



67.4728, 0.3408, 0.3112



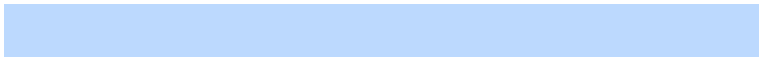
67.4728, 0.3558, 0.3703



67.4728, 0.2845, 0.3474

Rectangle

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



67.4728, 0.2707, 0.2879



67.4728, 0.3059, 0.2905



67.4728, 0.3558, 0.3703



67.4728, 0.3178, 0.3717

Sweetspot

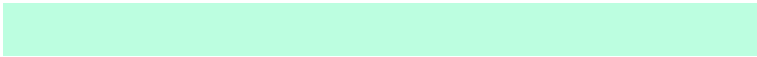
The Sweet Spot groups the original color and five complimentary colors.



67.4755, 0.2707, 0.2879



89.2532, 0.3003, 0.3176



86.9760, 0.2897, 0.3616



18.6911, 0.2979, 0.3153



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.



67.4755, 0.2707, 0.2879



62.8758, 0.2622, 0.2786



54.2402, 0.2698, 0.2548



18.6911, 0.2979, 0.3153



10.1184, 0.1716, 0.1378



1.1984, 0.1777, 0.1596

Inverse Universe

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



62.0498, 0.3444, 0.2993



56.9784, 0.3525, 0.2933



94.9709, 0.3499, 0.3947



18.1197, 0.3225, 0.3186



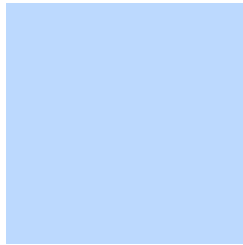
11.7494, 0.5221, 0.2650



1.1655, 0.4936, 0.2493

Previews

White Background



This preview shows how the Yxy color 67.4728, 0.2707, 0.2879 looks on a white background.

Color Contrast Check

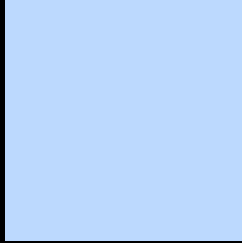
Large Text (above 18pt) WCAG AA × Fail

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 67.4728, 0.2707, 0.2879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

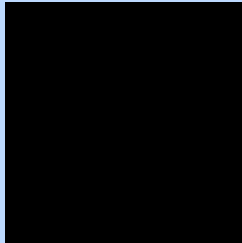
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

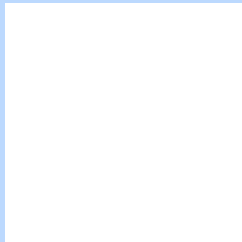
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.4728, 0.2707, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 67.4728, 0.2707, 0.2879.



This preview shows how white text looks on a background with the Yxy color 67.4728, 0.2707, 0.2879.

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

67.4728, 0.2707, 0.2879

Protanopia

67.1738, 0.2834, 0.2867

Deuteranopia

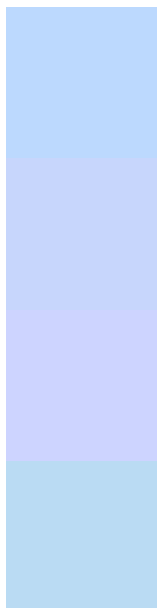
67.1171, 0.2862, 0.2801



Tritanopia

67.6151, 0.2787, 0.3095

Trichromacy



Original Color

67.4728, 0.2707, 0.2879

Protanomaly

67.2635, 0.2784, 0.2874

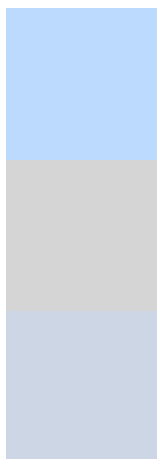
Deuteranomaly

67.2861, 0.2804, 0.2826

Tritanomaly

67.5732, 0.2758, 0.3018

Monochromacy



Original Color

67.4728, 0.2707, 0.2879

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.5319, 0.2964, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4728, 0.2707, 0.2879 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(188, 217, 254)` looks like.

```
.text, #text, p{  
    color:rgb(188, 217, 254)  
}
```

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(188, 217, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 217, 254) }
```

Border

The CSS property to change the border of an element to Yxy 67.4728, 0.2707, 0.2879 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(188, 217, 254) }
```

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

```
.border{ border-color:rgb(188, 217, 254) }
```

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

Here you see how a box with a 4 pixel rgb(188, 217, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 217, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 217, 254);  
box-shadow:4px 4px 4px 4px rgb(188, 217,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4728, 0.2707, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 217, 254) }
```

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

```
.background{ background-color: rgb(188,  
217, 254) }
```

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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