

Converting Colors

$Yxy(67.0091, 0.2709, 0.2854)$

Have a look what the booklet for
Yxy(67.0091, 0.2709, 0.2854)
contains.

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Color

Yxy(67.1506, 0.2707, 0.2858)

Conversions

Conversions Part 1

Format	Color
Hex	BDD8FF
RGB	189, 216, 255
RGB Percent	74%, 85%, 100%
CMY	0.2585, 0.1530, 0.0001
CMYK	0.26, 0.15, 0.00, 0.00
HSL	215°, 100%, 87%
HSV	215°, 26%, 100%
XYZ	63.6028, 67.1506, 104.2033
YIQ	212.3730, -28.6110, 6.4050

Conversions

Conversions Part 2

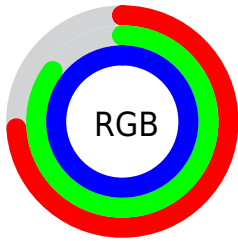
Format	Color
RYB	189, 208, 255
Decimal	12441855
CIELab	85.58, -0.51, -21.95
CIELCh	86, 21.961, 268.675
Yxy	67.1506, 0.2707, 0.2858
Android (android.graphics.Color)	4290631935 (0xFFBDD8FF)
YUV	212.3730, 21.0151, -20.4981
Hunter-Lab	81.9455, -4.8601, -18.0323

Details

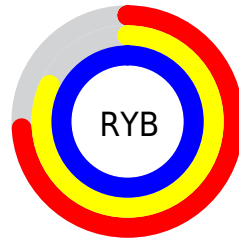
The Yxy color **67.1506, 0.2707, 0.2858** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **80.4586, 0.3583, 0.3687**, and the grayscale version is **65.9799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **34.6353, 0.2605, 0.2753** is the 20% darker color. If you saturate the color by 10%, you get **56.7946, 0.2534, 0.2659**, and if you desaturate by 10%, it is **78.7949, 0.2876, 0.3040**.

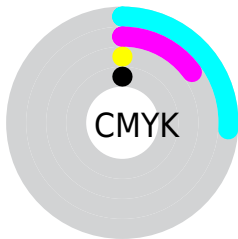
Distribution



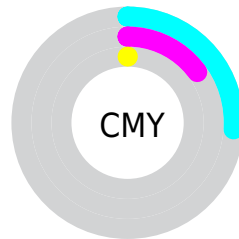
- Red (74%)
- Green (85%)
- Blue (100%)



- 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 67.1506, 0.2707, 0.2858 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 67.1506, 0.2707, 0.2858 by changing the saturation by 10% instead.

67.1506, 0.2707,
0.2858

67.1506, 0.2707,
0.2858

450.4806, 0.2902,
0.3059

49.2070, 0.2663,
0.2812

115.1362, 0.2775,
0.2928

34.7837, 0.2608,
0.2756

145.9470, 0.2801,
0.2955

23.4963, 0.2539,
0.2684

181.8156, 0.2823,
0.2978

14.9604, 0.2449,
0.2592

223.1265, 0.2843,
0.2998

8.7916, 0.2328,
0.2466

270.2641, 0.2861,
0.3016

4.6055, 0.2157,
0.2289

323.6127, 0.2876,

2.0177, 0.1899,

0.3032

0.2021

383.5568, 0.2890,
0.3046

0.6177, 0.1433,
0.1540

0.0000, 0.0000,
0.0000

67.1506, 0.2707,
0.2858

67.1506, 0.2707,
0.2858

56.7946, 0.2534,
0.2659

78.7949, 0.2876,
0.3040

47.6699, 0.2361,
0.2443

91.7656, 0.3037,
0.3203

39.7266, 0.2194,
0.2216

99.9990, 0.3127,
0.3290

32.9076, 0.2038,
0.1984

■ 27.1503, 0.1902,
0.1753

■ 22.3836, 0.1791,
0.1532

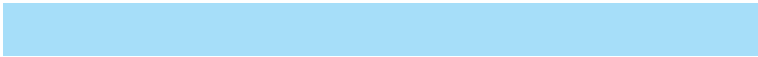
■ 18.5236, 0.1709,
0.1330

■ 17.1457, 0.1681,
0.1253

Harmonies

Analogous

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



67.1506, 0.2617, 0.2980



67.1506, 0.2707, 0.2858



67.1506, 0.2908, 0.2849

Triad

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



67.1506, 0.2707, 0.2858



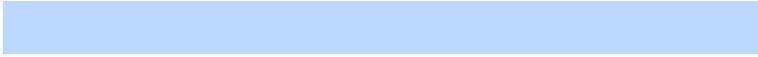
67.1506, 0.3623, 0.3350



67.1506, 0.3061, 0.3673

Complementary

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



67.1506, 0.2707, 0.2858



80.4586, 0.3583, 0.3687

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.



67.1506, 0.3333, 0.3772



67.1506, 0.2707, 0.2858



67.1506, 0.3665, 0.3569

Square

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



67.1506, 0.2707, 0.2858



67.1506, 0.3441, 0.3126



67.1506, 0.3556, 0.3728



67.1506, 0.2815, 0.3456

Rectangle

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



67.1506, 0.2707, 0.2858



67.1506, 0.3083, 0.2903



67.1506, 0.3556, 0.3728



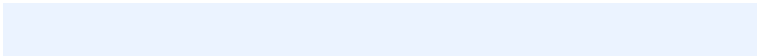
67.1506, 0.3152, 0.3721

Sweetspot

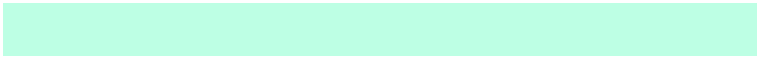
The Sweet Spot groups the original color and five complimentary colors.



67.1533, 0.2707, 0.2858



88.8739, 0.3003, 0.3169



87.9135, 0.2887, 0.3590



18.5958, 0.2979, 0.3145



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.



67.1533, 0.2707, 0.2858



61.6692, 0.2618, 0.2757



55.1894, 0.2715, 0.2555



18.5958, 0.2979, 0.3145



9.2358, 0.1690, 0.1283



1.1076, 0.1752, 0.1506

Inverse Universe

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



62.6407, 0.3458, 0.3015



56.8566, 0.3546, 0.2958



95.4182, 0.3482, 0.3947



18.1101, 0.3230, 0.3193



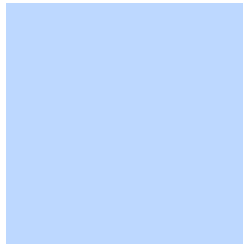
11.6603, 0.5350, 0.2721



1.1564, 0.5051, 0.2556

Previews

White Background



This preview shows how the Yxy color 67.1506, 0.2707, 0.2858 looks on a white background.

Color Contrast Check

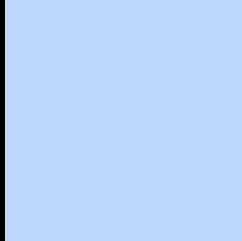
Large Text (above 18pt) WCAG AA × Fail

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 67.1506, 0.2707, 0.2858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

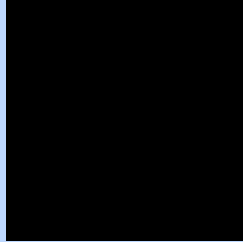
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

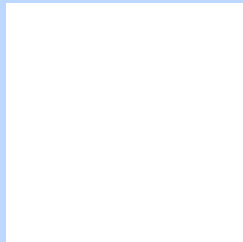
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.1506, 0.2707, 0.2858

Background



This preview shows how black text looks on a background with the Yxy color 67.1506, 0.2707, 0.2858.



This preview shows how white text looks on a background with the Yxy color 67.1506, 0.2707, 0.2858.

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

67.1506, 0.2707, 0.2858

Protanopia

67.0944, 0.2822, 0.2856

Deuteranopia

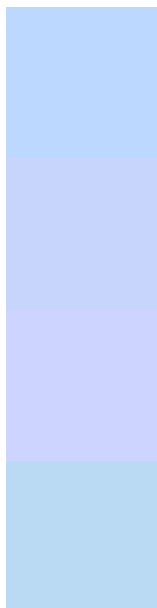
66.9671, 0.2855, 0.2800



Tritanopia

67.0917, 0.2786, 0.3083

Trichromacy



Original Color

67.1506, 0.2707, 0.2858

Protanomaly

66.8225, 0.2778, 0.2852

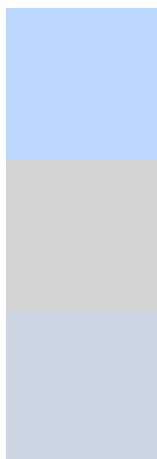
Deuteranomaly

67.1443, 0.2797, 0.2825

Tritanomaly

67.1136, 0.2752, 0.2995

Monochromacy



Original Color

67.1506, 0.2707, 0.2858

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.0273, 0.2964, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1506, 0.2707, 0.2858 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, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 216, 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(189, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.1506, 0.2707, 0.2858 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, 216, 255) }
```

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

```
.border{ border-color:rgb(189, 216, 255) }
```

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

Here you see how a box with a 4 pixel rgb(189, 216, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1506, 0.2707, 0.2858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 216, 255) }
```

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

```
.background{ background-color: rgb(189,  
216, 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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