

Converting Colors

$Y_{xy}(66.4100, 0.2670, 0.2854)$

Have a look what the booklet for
Yxy(66.4100, 0.2670, 0.2854)
contains.

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Color

Yxy(66.3990, 0.2670, 0.2854)

Conversions

Conversions Part 1

Format	Color
Hex	B7D8FF
RGB	183, 216, 255
RGB Percent	72%, 85%, 100%
CMY	0.2826, 0.1528, 0.0001
CMYK	0.28, 0.15, 0.00, 0.00
HSL	212°, 100%, 86%
HSV	212°, 28%, 100%
XYZ	62.1182, 66.3990, 104.1352
YIQ	210.5790, -32.1870, 5.1330

Conversions

Conversions Part 2

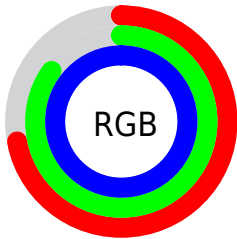
Format	Color
R _Y B	183, 206, 255
Decimal	12048639
CIE Lab	85.20, -2.30, -22.57
CIE LCh	85, 22.684, 264.187
Yxy	66.3990, 0.2670, 0.2854
Android (android.graphics.Color)	4290238719 (0xFFB7D8FF)
YUV	210.5790, 21.8996, -24.1868
Hunter-Lab	81.4856, -6.5254, -18.7303

Details

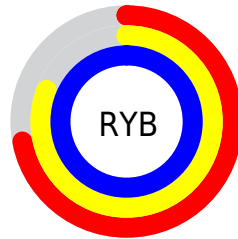
The Yxy color **66.3990, 0.2670, 0.2854** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.8534, 0.3642, 0.3689**, and the grayscale version is **64.7110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **34.1561, 0.2561, 0.2747** is the 20% darker color. If you saturate the color by 10%, you get **56.7835, 0.2501, 0.2669**, and if you desaturate by 10%, it is **77.1787, 0.2837, 0.3023**.

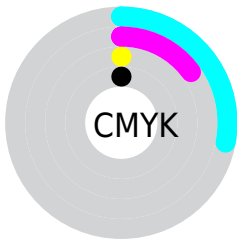
Distribution



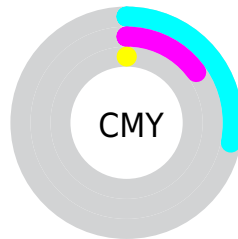
- Red (72%)
- Green (85%)
- Blue (100%)



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



- Cyan (28%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3990, 0.2670, 0.2854 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 66.3990, 0.2670, 0.2854 by changing the saturation by 10% instead.

■ 66.3990, 0.2670,
0.2854

■ 66.3990, 0.2670,
0.2854

447.8025, 0.2882,
0.3057

■ 48.5964, 0.2622,
0.2807

■ 114.0588, 0.2743,
0.2925

■ 34.2994, 0.2562,
0.2750

144.6848, 0.2772,
0.2952

■ 23.1237, 0.2488,
0.2677

180.3540, 0.2797,
0.2976

■ 14.6849, 0.2390,
0.2582

221.4509, 0.2818,
0.2996

■ 8.5985, 0.2259,
0.2453

268.3597, 0.2837,
0.3015

■ 4.4803, 0.2075,
0.2270

321.4650, 0.2854,

■ 1.9457, 0.1799,

0.3031

0.1993

381.1512, 0.2868,
0.3045

0.5756, 0.1266,
0.1484

0.0000, 0.0000,
0.0000

66.3990, 0.2670,
0.2854

66.3990, 0.2670,
0.2854

56.7835, 0.2501,
0.2669

77.1787, 0.2837,
0.3023

48.2793, 0.2335,
0.2471

89.1570, 0.2999,
0.3176

40.8404, 0.2177,
0.2262

99.9990, 0.3127,
0.3290

34.4139, 0.2033,
0.2048

■ 28.9410, 0.1909,
0.1836

■ 24.3543, 0.1810,
0.1632

■ 20.5666, 0.1737,
0.1442

■ 19.9711, 0.1725,
0.1411

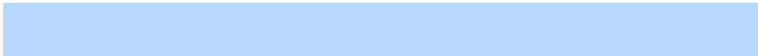
Harmonies

Analogous

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



66.3990, 0.2596, 0.2997



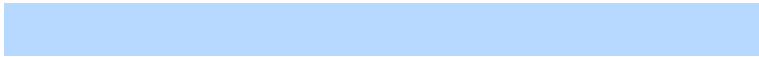
66.3990, 0.2670, 0.2854



66.3990, 0.2863, 0.2828

Triad

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



66.3990, 0.2670, 0.2854



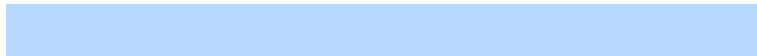
66.3990, 0.3621, 0.3315



66.3990, 0.3100, 0.3712

Complementary

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



66.3990, 0.2670, 0.2854



76.8534, 0.3642, 0.3689

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.



66.3990, 0.3379, 0.3793



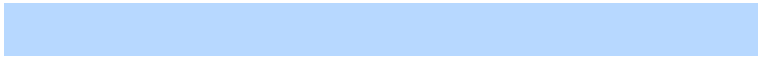
66.3990, 0.2670, 0.2854



66.3990, 0.3688, 0.3547

Square

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



66.3990, 0.2670, 0.2854



66.3990, 0.3415, 0.3088



66.3990, 0.3597, 0.3726



66.3990, 0.2837, 0.3500

Rectangle

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



66.3990, 0.2670, 0.2854



66.3990, 0.3039, 0.2873



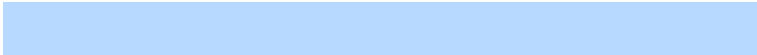
66.3990, 0.3597, 0.3726



66.3990, 0.3195, 0.3756

Sweetspot

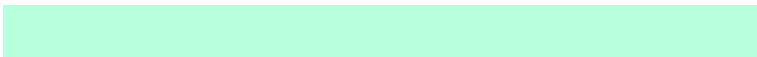
The Sweet Spot groups the original color and five complimentary colors.



66.4016, 0.2670, 0.2854



89.4979, 0.3003, 0.3180



86.8072, 0.2885, 0.3663



18.7526, 0.2979, 0.3158



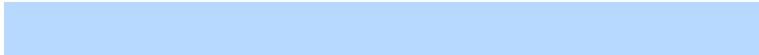
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



66.4016, 0.2670, 0.2854



60.7508, 0.2573, 0.2750



51.4100, 0.2646, 0.2471



18.7526, 0.2979, 0.3158



10.7276, 0.1734, 0.1441



1.2600, 0.1793, 0.1656

Inverse Universe

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



60.0521, 0.3468, 0.2952



53.9364, 0.3561, 0.2880



95.7297, 0.3540, 0.4003



18.1259, 0.3222, 0.3181



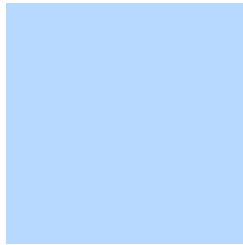
11.8109, 0.5137, 0.2603



1.1717, 0.4861, 0.2451

Previews

White Background



This preview shows how the Yxy color 66.3990, 0.2670, 0.2854 looks on a white background.

Color Contrast Check

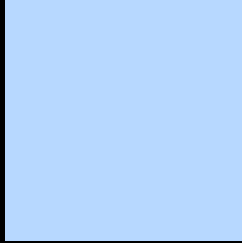
Large Text (above 18pt) WCAG AA × Fail

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 66.3990, 0.2670, 0.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

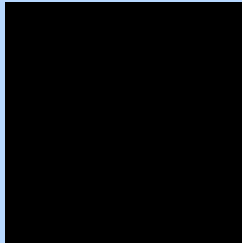
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

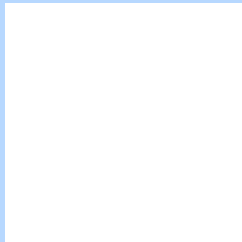
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.3990, 0.2670, 0.2854

Background



This preview shows how black text looks on a background with the Yxy color 66.3990, 0.2670, 0.2854.



This preview shows how white text looks on a background with the Yxy color 66.3990, 0.2670, 0.2854.

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

66.3990, 0.2670, 0.2854

Protanopia

66.3909, 0.2820, 0.2854

Deuteranopia

66.1806, 0.2841, 0.2787



Tritanopia

66.3612, 0.2749, 0.3081

Trichromacy



Original Color

66.3990, 0.2670, 0.2854

Protanomaly

66.3525, 0.2764, 0.2860

Deuteranomaly

66.2260, 0.2777, 0.2811

Tritanomaly

66.3778, 0.2715, 0.2992

Monochromacy



Original Color

66.3990, 0.2670, 0.2854

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.5521, 0.2949, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3990, 0.2670, 0.2854 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, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.3990, 0.2670, 0.2854 is called "border". The border property can be set on classes, ids or directly on the HTML element.

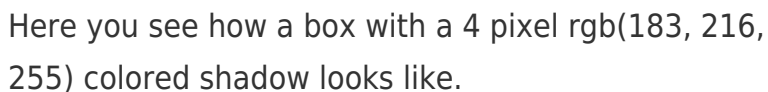
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 216, 255) }
```

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

```
.border{ border-color:rgb(183, 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(183, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 216, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 216, 255); box-shadow:4px 4px 4px 4px rgb(183, 216, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3990, 0.2670, 0.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 216, 255) }
```

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

```
.background{ background-color: rgb(183,  
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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