

Converting Colors

$Yxy(68.8157, 0.2637, 0.2685)$

Have a look what the booklet for
Yxy(68.8157, 0.2637, 0.2685)
contains.

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Color

Yxy(67.6692, 0.2731, 0.2861)

Conversions

Conversions Part 1

Format	Color
Hex	C1D8FF
RGB	193, 216, 255
RGB Percent	76%, 85%, 100%
CMY	0.2432, 0.1529, 0.0000
CMYK	0.24, 0.15, 0.00, 0.00
HSL	218°, 100%, 88%
HSV	218°, 24%, 100%
XYZ	64.5944, 67.6692, 104.2593
YIQ	213.5690, -26.2270, 7.2530

Conversions

Conversions Part 2

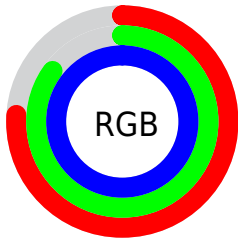
Format	Color
R _Y B	193, 210, 255
Decimal	12703999
CIE Lab	85.84, 0.63, -21.54
CIE LCh	86, 21.550, 271.672
Yxy	67.6692, 0.2731, 0.2861
Android (android.graphics.Color)	4290894079 (0xFFC1D8FF)
YUV	213.5690, 20.4255, -18.0390
Hunter-Lab	82.2613, -3.7929, -17.5622

Details

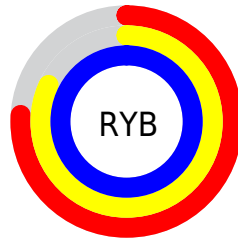
The Yxy color **67.6692, 0.2731, 0.2861** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.8068, 0.3547, 0.3684**, and the grayscale version is **66.8142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **34.9702, 0.2635, 0.2758** is the 20% darker color. If you saturate the color by 10%, you get **56.7863, 0.2555, 0.2651**, and if you desaturate by 10%, it is **79.9368, 0.2901, 0.3052**.

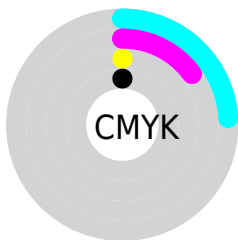
Distribution



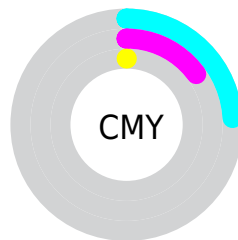
- Red (76%)
- Green (85%)
- Blue (100%)



- Red (76%)
- Yellow (82%)
- Blue (100%)



- Cyan (24%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6692, 0.2731, 0.2861 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 67.6692, 0.2731, 0.2861 by changing the saturation by 10% instead.

■ 67.6692, 0.2731,
0.2861

■ 67.6692, 0.2731,
0.2861

452.3231, 0.2915,
0.3060

■ 49.6287, 0.2689,
0.2816

■ 115.8788, 0.2795,
0.2930

■ 35.1184, 0.2637,
0.2760

146.8166, 0.2820,
0.2957

■ 23.7541, 0.2572,
0.2690

182.8223, 0.2841,
0.2980

■ 15.1513, 0.2487,
0.2599

224.2803, 0.2859,
0.3000

■ 8.9257, 0.2373,
0.2476

271.5750, 0.2876,
0.3018

■ 4.6927, 0.2211,
0.2302

325.0908, 0.2890,

■ 2.0681, 0.1965,

0.3033

0.2040

385.2120, 0.2903,
0.3047

0.6466, 0.1536,
0.1577

0.0000, 0.0000,
0.0000

67.6692, 0.2731,
0.2861

67.6692, 0.2731,
0.2861

56.7863, 0.2555,
0.2651

79.9368, 0.2901,
0.3052

47.2275, 0.2378,
0.2424

93.6304, 0.3061,
0.3222

38.9393, 0.2204,
0.2184

99.9997, 0.3127,
0.3290

31.8610, 0.2042,
0.1938

■ 25.9259, 0.1898,
0.1694

■ 21.0594, 0.1779,
0.1462

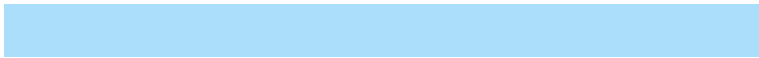
■ 17.1742, 0.1691,
0.1253

■ 15.3453, 0.1652,
0.1146

Harmonies

Analogous

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



67.6692, 0.2630, 0.2970



67.6692, 0.2731, 0.2861



67.6692, 0.2937, 0.2863

Triad

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



67.6692, 0.2731, 0.2861



67.6692, 0.3623, 0.3371



67.6692, 0.3036, 0.3647

Complementary

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



67.6692, 0.2731, 0.2861



82.8068, 0.3547, 0.3684

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.



67.6692, 0.3303, 0.3758



67.6692, 0.2731, 0.2861



67.6692, 0.3649, 0.3583

Square

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



67.6692, 0.2731, 0.2861



67.6692, 0.3457, 0.3150



67.6692, 0.3529, 0.3729



67.6692, 0.2801, 0.3427

Rectangle

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



67.6692, 0.2731, 0.2861



67.6692, 0.3111, 0.2923



67.6692, 0.3529, 0.3729



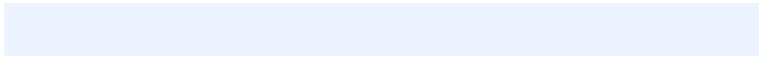
67.6692, 0.3125, 0.3699

Sweetspot

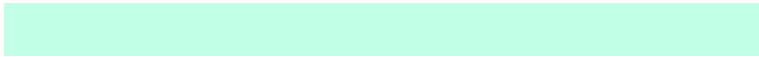
The Sweet Spot groups the original color and five complimentary colors.



67.6719, 0.2731, 0.2861



89.8178, 0.3019, 0.3179



88.6348, 0.2889, 0.3547



19.0440, 0.3009, 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.



67.6719, 0.2731, 0.2861



62.4086, 0.2649, 0.2765



57.6639, 0.2758, 0.2607



18.4824, 0.2979, 0.3136



8.2799, 0.1660, 0.1176



1.0070, 0.1723, 0.1401

Inverse Universe

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



64.3517, 0.3452, 0.3055



58.9071, 0.3534, 0.3008



95.2792, 0.3447, 0.3910



18.0986, 0.3236, 0.3202



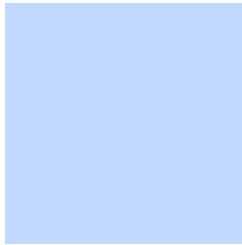
11.5638, 0.5500, 0.2803



1.1462, 0.5190, 0.2632

Previews

White Background



This preview shows how the Yxy color 67.6692, 0.2731, 0.2861 looks on a white background.

Color Contrast Check

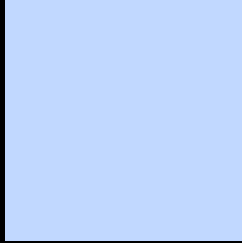
Large Text (above 18pt) WCAG AA × Fail

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 67.6692, 0.2731, 0.2861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

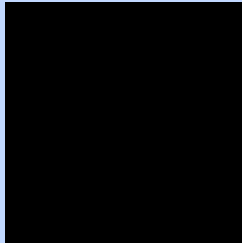
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

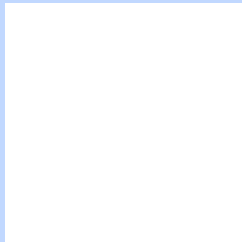
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6692, 0.2731, 0.2861

Background



This preview shows how black text looks on a background with the Yxy color 67.6692, 0.2731, 0.2861.



This preview shows how white text looks on a background with the Yxy color 67.6692, 0.2731, 0.2861.

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

67.6692, 0.2731, 0.2861

Protanopia

67.3006, 0.2822, 0.2847

Deuteranopia

67.6093, 0.2862, 0.2812



Tritanopia

67.5963, 0.2811, 0.3085

Trichromacy



Original Color

67.6692, 0.2731, 0.2861

Protanomaly

67.1618, 0.2785, 0.2843

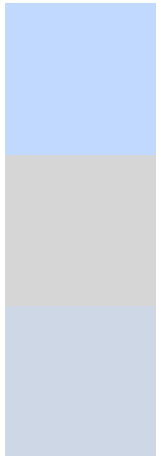
Deuteranomaly

67.4288, 0.2810, 0.2826

Tritanomaly

67.6216, 0.2776, 0.2997

Monochromacy



Original Color

67.6692, 0.2731, 0.2861

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.3798, 0.2971, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6692, 0.2731, 0.2861 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(193, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 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(193, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.6692, 0.2731, 0.2861 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(193, 216, 255) }
```

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

```
.border{ border-color:rgb(193, 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(193, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6692, 0.2731, 0.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 216, 255) }
```

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

```
.background{ background-color: rgb(193,  
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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