

Converting Colors

$Yxy(66.6850, 0.2421, 0.2951)$

Have a look what the booklet for
Yxy(66.6850, 0.2421, 0.2951)
contains.

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Color

Yxy(66.4380, 0.2421, 0.2945)

Conversions

Conversions Part 1

Format	Color
Hex	83E2FF
RGB	131, 226, 255
RGB Percent	51%, 89%, 100%
CMY	0.4858, 0.1138, 0.0000
CMYK	0.49, 0.11, 0.00, 0.00
HSL	194°, 100%, 76%
HSV	194°, 49%, 100%
XYZ	54.6168, 66.4380, 104.5412
YIQ	200.9010, -65.9290, -11.1210

Conversions

Conversions Part 2

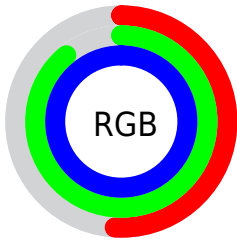
Format	Color
R_{YB}	131, 185, 255
Decimal	8643327
CIE _{Lab}	85.22, -20.60, -22.79
CIE _{LCh}	85, 30.722, 227.883
Yxy	66.4380, 0.2421, 0.2945
Android (android.graphics.Color)	4286833407 (0xFF83E2FF)
YUV	200.9010, 26.6708, -61.3032
Hunter-Lab	81.5095, -23.0348, -18.9866

Details

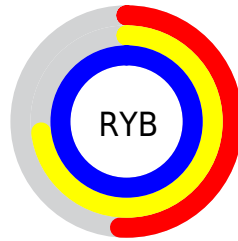
The Yxy color **66.4380, 0.2421, 0.2945** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.0787, 0.4331, 0.3595**, and the grayscale version is **58.2228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **34.5051, 0.2265, 0.2865** is the 20% darker color. If you saturate the color by 10%, you get **61.4570, 0.2306, 0.2860**, and if you desaturate by 10%, it is **72.0381, 0.2551, 0.3026**.

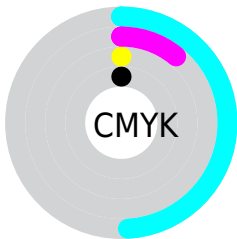
Distribution



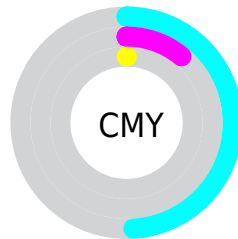
- Red (51%)
- Green (89%)
- Blue (100%)



- Red (51%)
- Yellow (73%)
- Blue (100%)



- Cyan (49%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.4380, 0.2421, 0.2945 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 66.4380, 0.2421, 0.2945 by changing the saturation by 10% instead.


 66.4380, 0.2421,
0.2945


 66.4380, 0.2421,
0.2945


447.9417, 0.2743,
0.3114


 48.6280, 0.2349,
0.2905


 114.1148, 0.2532,
0.3005

 34.3245, 0.2261,
0.2854


 144.7503, 0.2575,
0.3028

 23.1430, 0.2152,
0.2788


 180.4299, 0.2612,
0.3048

 14.6991, 0.2012,
0.2701

221.5379, 0.2645,
0.3064

 8.6085, 0.1827,
0.2580

268.4587, 0.2674,
0.3079

 4.4867, 0.1577,
0.2401

321.5766, 0.2700,

 1.9494, 0.1224,

0.3092

0.2120

381.2762, 0.2723,
0.3104

■ 0.5778, 0.0133,
0.1664

■ 0.0000, 0.0000,
0.0000

■ 66.4380, 0.2421,
0.2945

■ 66.4380, 0.2421,
0.2945

■ 61.4570, 0.2306,
0.2860

■ 72.0381, 0.2551,
0.3026

■ 57.0491, 0.2208,
0.2774

■ 78.2844, 0.2692,
0.3102

■ 53.1729, 0.2130,
0.2686

■ 85.2113, 0.2841,
0.3174

■ 49.7768, 0.2072,
0.2598

■ 92.8483, 0.2994,
0.3239

■ 46.7880, 0.2033,
0.2512

99.9992, 0.3127,
0.3290

■ 46.3833, 0.2028,
0.2499

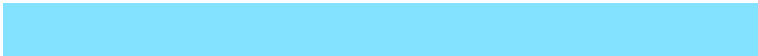
Harmonies

Analogous

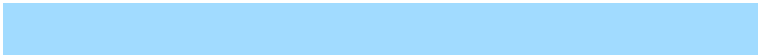
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.4380, 0.2533, 0.3282



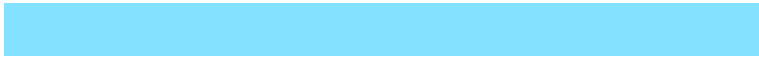
66.4380, 0.2421, 0.2945



66.4380, 0.2482, 0.2730

Triad

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



66.4380, 0.2421, 0.2945



66.4380, 0.3439, 0.2963



66.4380, 0.3535, 0.3971

Complementary

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



66.4380, 0.2421, 0.2945



48.0787, 0.4331, 0.3595

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.



66.4380, 0.3804, 0.3830



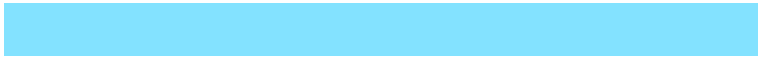
66.4380, 0.2421, 0.2945



66.4380, 0.3753, 0.3251

Square

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



66.4380, 0.2421, 0.2945



66.4380, 0.3051, 0.2755



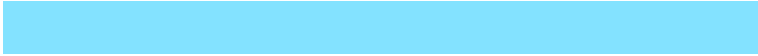
66.4380, 0.3889, 0.3562



66.4380, 0.3166, 0.3912

Rectangle

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



66.4380, 0.2421, 0.2945



66.4380, 0.2614, 0.2672



66.4380, 0.3889, 0.3562



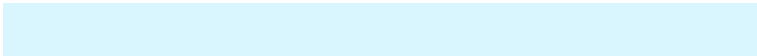
66.4380, 0.3640, 0.3943

Sweetspot

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



66.4405, 0.2421, 0.2945



87.8731, 0.2895, 0.3198



78.8848, 0.2923, 0.4478



18.4719, 0.2863, 0.3184



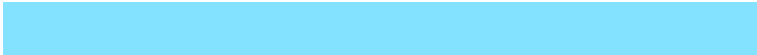
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



66.4405, 0.2421, 0.2945



61.7374, 0.2312, 0.2865



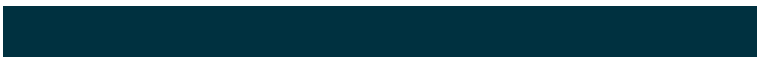
38.6562, 0.2271, 0.2156



19.7181, 0.2980, 0.3233



24.4790, 0.2032, 0.2514



2.5495, 0.2059, 0.2613

Inverse Universe

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



43.0106, 0.3447, 0.2350



36.9837, 0.3531, 0.2196



75.1173, 0.3996, 0.4201



18.2234, 0.3174, 0.3110



13.1991, 0.3909, 0.1927



1.3019, 0.3812, 0.1874

Previews

White Background



This preview shows how the Yxy color 66.4380, 0.2421, 0.2945 looks on a white background.

Color Contrast Check

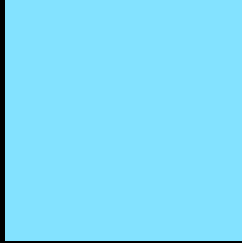
Large Text (above 18pt) WCAG AA × Fail

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 66.4380, 0.2421, 0.2945 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 66.4380, 0.2421, 0.2945

Background



This preview shows how black text looks on a background with the Yxy color 66.4380, 0.2421, 0.2945.



This preview shows how white text looks on a background with the Yxy color 66.4380, 0.2421, 0.2945.

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

66.4380, 0.2421, 0.2945

Protanopia

65.7467, 0.2876, 0.2916

Deuteranopia

65.8871, 0.2828, 0.2785



Tritanopia

66.7298, 0.2452, 0.3071

Trichromacy



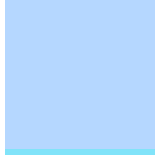
Original Color

66.4380, 0.2421, 0.2945



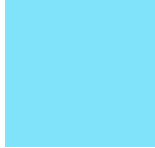
Protanomaly

65.4728, 0.2684, 0.2925



Deuteranomaly

65.6446, 0.2657, 0.2841



Tritanomaly

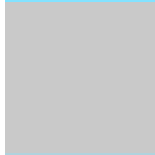
66.4449, 0.2441, 0.3025

Monochromacy



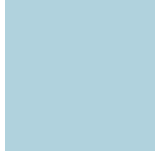
Original Color

66.4380, 0.2421, 0.2945



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.5438, 0.2816, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.4380, 0.2421, 0.2945 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(131, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 226, 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(131, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.4380, 0.2421, 0.2945 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(131, 226, 255) }
```

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

```
.border{ border-color:rgb(131, 226, 255) }
```

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

Here you see how a box with a 4 pixel rgb(131, 226, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.4380, 0.2421, 0.2945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 226, 255) }
```

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

```
.background{ background-color: rgb(131,  
226, 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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