

Converting Colors

$Y_{xy}(68.3326, 0.2260, 0.2508)$

Have a look what the booklet for
Yxy(68.3326, 0.2260, 0.2508)
contains.

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Color

Yxy(65.5179, 0.2425, 0.2921)

Conversions

Conversions Part 1

Format	Color
Hex	85E0FF
RGB	133, 224, 255
RGB Percent	52%, 88%, 100%
CMY	0.4779, 0.1216, 0.0000
CMYK	0.48, 0.12, 0.00, 0.00
HSL	195°, 100%, 76%
HSV	195°, 48%, 100%
XYZ	54.3926, 65.5179, 104.3890
YIQ	200.3250, -64.1870, -9.6510

Conversions

Conversions Part 2

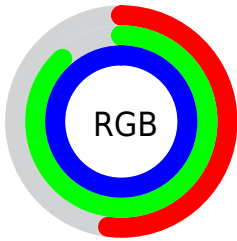
Format	Color
R_{YB}	133, 185, 255
Decimal	8773887
CIE _{Lab}	84.75, -19.15, -23.50
CIE _{LCh}	85, 30.317, 230.827
Yxy	65.5179, 0.2425, 0.2921
Android (android.graphics.Color)	4286963967 (0xFF85E0FF)
YUV	200.3250, 26.9548, -59.0440
Hunter-Lab	80.9431, -21.7010, -19.8037

Details

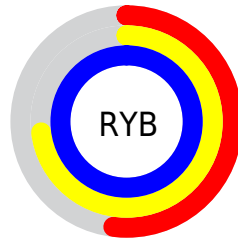
The Yxy color **65.5179, 0.2425, 0.2921** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.5571, 0.4289, 0.3616**, and the grayscale version is **57.8478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **33.8309, 0.2266, 0.2833** is the 20% darker color. If you saturate the color by 10%, you get **60.2666, 0.2306, 0.2829**, and if you desaturate by 10%, it is **71.4107, 0.2558, 0.3009**.

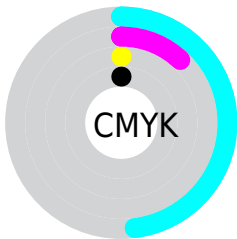
Distribution



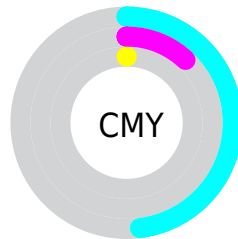
- Red (52%)
- Green (88%)
- Blue (100%)



- Red (52%)
- Yellow (73%)
- Blue (100%)



- Cyan (48%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.5179, 0.2425, 0.2921 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 65.5179, 0.2425, 0.2921 by changing the saturation by 10% instead.

 65.5179, 0.2425,
0.2921

 65.5179, 0.2425,
0.2921


444.6507, 0.2746,
0.3101


 47.8811, 0.2353,
0.2878


 112.7941, 0.2535,
0.2985

 33.7328, 0.2265,
0.2824


 143.2024, 0.2579,
0.3009

 22.6884, 0.2156,
0.2755


 178.6366, 0.2616,
0.3030

 14.3636, 0.2015,
0.2663

219.4811, 0.2649,
0.3048

 8.3740, 0.1830,
0.2535

266.1204, 0.2677,
0.3064

 4.3352, 0.1578,
0.2347

318.9389, 0.2703,

 1.8628, 0.1222,

0.3078

0.2054

378.3208, 0.2726,
0.3090

0.5258, 0.0095,
0.1550

0.0000, 0.0000,
0.0000

65.5179, 0.2425,
0.2921

65.5179, 0.2425,
0.2921

60.2666, 0.2306,
0.2829

71.4107, 0.2558,
0.3009

55.6116, 0.2204,
0.2734

77.9730, 0.2701,
0.3092

51.5114, 0.2121,
0.2637

85.2390, 0.2852,
0.3169

47.9148, 0.2059,
0.2541

93.2383, 0.3006,
0.3240

■ 44.7539, 0.2016,
0.2447

100.0000, 0.3127,
0.3290

■ 44.0942, 0.2007,
0.2426

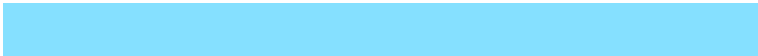
Harmonies

Analogous

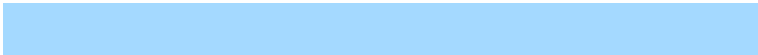
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.5179, 0.2520, 0.3246



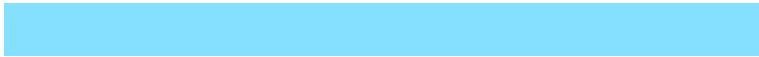
65.5179, 0.2425, 0.2921



65.5179, 0.2502, 0.2722

Triad

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



65.5179, 0.2425, 0.2921



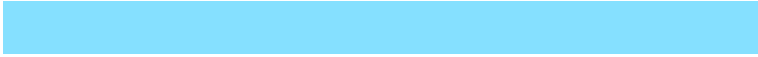
65.5179, 0.3472, 0.2991



65.5179, 0.3498, 0.3969

Complementary

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



65.5179, 0.2425, 0.2921



49.5571, 0.4289, 0.3616

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.



65.5179, 0.3779, 0.3846



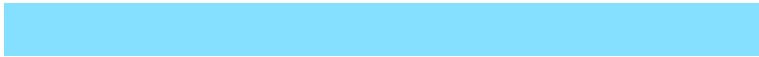
65.5179, 0.2425, 0.2921



65.5179, 0.3770, 0.3282

Square

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



65.5179, 0.2425, 0.2921



65.5179, 0.3090, 0.2775



65.5179, 0.3883, 0.3590



65.5179, 0.3128, 0.3889

Rectangle

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



65.5179, 0.2425, 0.2921



65.5179, 0.2644, 0.2675



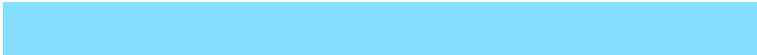
65.5179, 0.3883, 0.3590



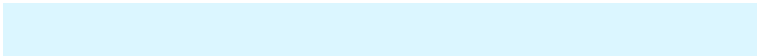
65.5179, 0.3607, 0.3948

Sweetspot

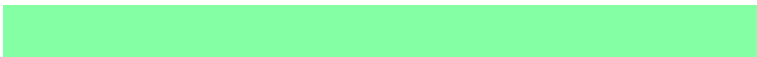
The Sweet Spot groups the original color and five complimentary colors.



65.5202, 0.2425, 0.2921



88.1867, 0.2910, 0.3197



79.1822, 0.2915, 0.4429



18.5140, 0.2877, 0.3181



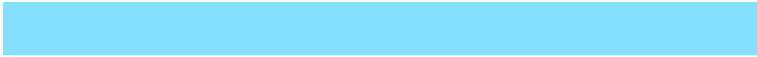
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



65.5202, 0.2425, 0.2921



60.6617, 0.2315, 0.2836



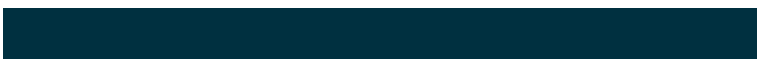
38.6219, 0.2281, 0.2152



19.6527, 0.2980, 0.3228



23.2922, 0.2012, 0.2441



2.4428, 0.2042, 0.2550

Inverse Universe

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



43.4499, 0.3465, 0.2386



37.3991, 0.3553, 0.2236



76.5540, 0.3971, 0.4205



18.2167, 0.3177, 0.3114



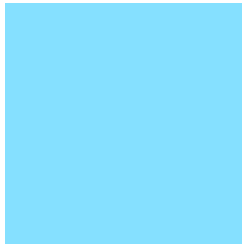
13.0793, 0.3981, 0.1967



1.2911, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 65.5179, 0.2425, 0.2921 looks on a white background.

Color Contrast Check

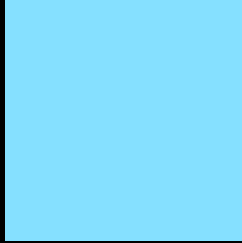
Large Text (above 18pt) WCAG AA × Fail

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 65.5179, 0.2425, 0.2921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

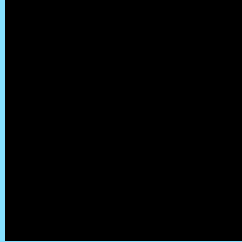
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.5179, 0.2425, 0.2921

Background



This preview shows how black text looks on a background with the Yxy color 65.5179, 0.2425, 0.2921.

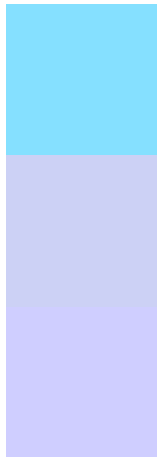


This preview shows how white text looks on a background with the Yxy color 65.5179, 0.2425, 0.2921.

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

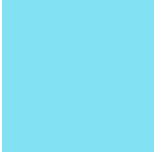
65.5179, 0.2425, 0.2921

Protanopia

65.0309, 0.2856, 0.2893

Deuteranopia

64.6280, 0.2813, 0.2761



Tritanopia

65.6702, 0.2465, 0.3070

Trichromacy



Original Color

65.5179, 0.2425, 0.2921

Protanomaly

64.3977, 0.2671, 0.2890

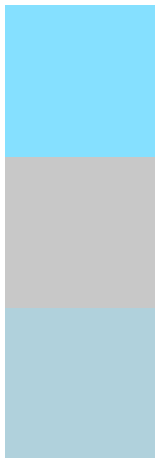
Deuteranomaly

64.5118, 0.2649, 0.2817

Tritanomaly

65.4530, 0.2449, 0.3012

Monochromacy



Original Color

65.5179, 0.2425, 0.2921

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

59.9983, 0.2821, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.5179, 0.2425, 0.2921 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(133, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 224, 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(133, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.5179, 0.2425, 0.2921 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(133, 224, 255) }
```

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

```
.border{ border-color:rgb(133, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.5179, 0.2425, 0.2921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 224, 255) }
```

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

```
.background{ background-color: rgb(133,  
224, 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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