

Converting Colors

$Yxy(66.7059, 0.2582, 0.2893)$

Have a look what the booklet for
Yxy(66.7059, 0.2582, 0.2893)
contains.

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Color

Yxy(66.5134, 0.2579, 0.2889)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A6DCFF |
| RGB | 166, 220, 255 |
| RGB Percent | 65%, 86%, 100% |
| CMY | 0.3489, 0.1373, 0.0000 |
| CMYK | 0.35, 0.14, 0.00, 0.00 |
| HSL | 204°, 100%, 83% |
| HSV | 204°, 35%, 100% |
| XYZ | 59.3763, 66.5134, 104.3402 |
| YIQ | 207.8440, -43.4190, -0.5630 |

Conversions

Conversions Part 2

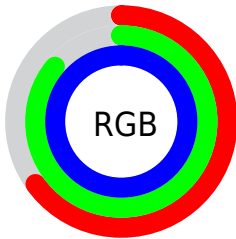
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 166, 200, 255 |
| Decimal | 10935551 |
| CIELab | 85.26, -9.03, -22.60 |
| CIELCh | 85, 24.334, 248.221 |
| Yxy | 66.5134, 0.2579, 0.2889 |
| Android (android.graphics.Color) | 4289125631 (0xFFA6DCFF) |
| YUV | 207.8440, 23.2479, -36.6972 |
| Hunter-Lab | 81.5557, -12.7665, -18.7650 |

Details

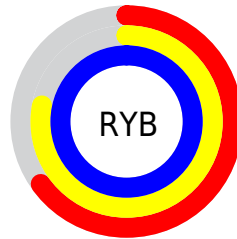
The Yxy color **66.5134, 0.2579, 0.2889** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.8020, 0.3835, 0.3656**, and the grayscale version is **62.8412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **34.3670, 0.2455, 0.2793** is the 20% darker color. If you saturate the color by 10%, you get **58.9165, 0.2428, 0.2751**, and if you desaturate by 10%, it is **74.9741, 0.2736, 0.3018**.

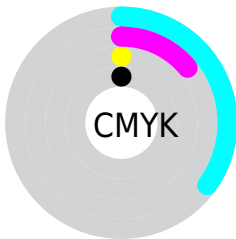
Distribution



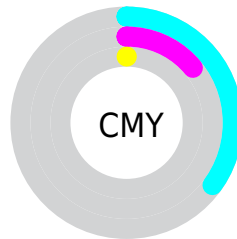
- Red (65%)
- Green (86%)
- Blue (100%)



- Red (65%)
- Yellow (78%)
- Blue (100%)



- Cyan (35%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5134, 0.2579, 0.2889 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 66.5134, 0.2579, 0.2889 by changing the saturation by 10% instead.


 66.5134, 0.2579,
0.2889


 66.5134, 0.2579,
0.2889


448.2107, 0.2831,
0.3079

 48.6893, 0.2522,
0.2845

 114.2229, 0.2666,
0.2956

 34.3731, 0.2452,
0.2790

 144.8770, 0.2700,
0.2981

 23.1803, 0.2364,
0.2720


180.5767, 0.2729,
0.3003

 14.7267, 0.2251,
0.2629

221.7062, 0.2755,
0.3022

 8.6278, 0.2100,
0.2503

268.6499, 0.2778,
0.3039

 4.4992, 0.1889,
0.2323

321.7924, 0.2797,

 1.9566, 0.1580,

0.3054

0.2047

381.5178, 0.2815,
0.3067

■ 0.5821, 0.0889,
0.1554

■ 0.0000, 0.0000,
0.0000

■ 66.5134, 0.2579,
0.2889

■ 66.5134, 0.2579,
0.2889

■ 58.9165, 0.2428,
0.2751

■ 74.9741, 0.2736,
0.3018

■ 52.1433, 0.2286,
0.2605

■ 84.3317, 0.2894,
0.3135

■ 46.1531, 0.2159,
0.2453

■ 94.6196, 0.3052,
0.3242

■ 40.8995, 0.2049,
0.2298

100.0000, 0.3127,
0.3290

■ 36.3295, 0.1960,
0.2144

■ 32.3787, 0.1894,
0.1994

■ 30.5552, 0.1867,
0.1919

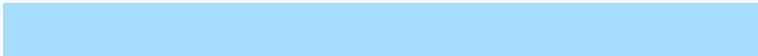
Harmonies

Analogous

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



66.5134, 0.2575, 0.3099



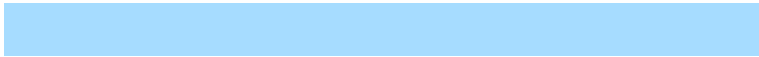
66.5134, 0.2579, 0.2889



66.5134, 0.2721, 0.2795

Triad

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



66.5134, 0.2579, 0.2889



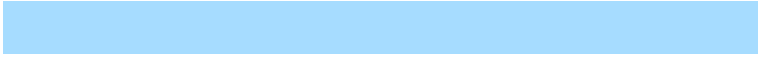
66.5134, 0.3554, 0.3183



66.5134, 0.3260, 0.3810

Complementary

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



66.5134, 0.2579, 0.2889



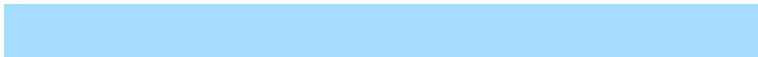
65.8020, 0.3835, 0.3656

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.



66.5134, 0.3534, 0.3809



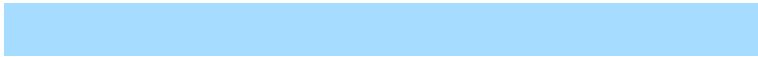
66.5134, 0.2579, 0.2889



66.5134, 0.3712, 0.3434

Square

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



66.5134, 0.2579, 0.2889



66.5134, 0.3279, 0.2965



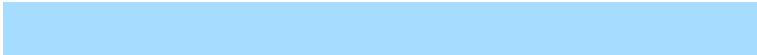
66.5134, 0.3703, 0.3664



66.5134, 0.2959, 0.3651

Rectangle

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



66.5134, 0.2579, 0.2889



66.5134, 0.2879, 0.2802



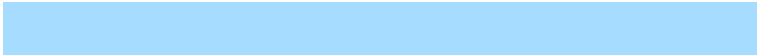
66.5134, 0.3703, 0.3664



66.5134, 0.3358, 0.3828

Sweetspot

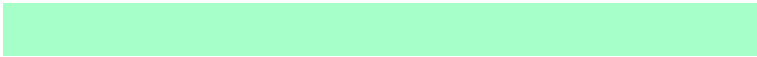
The Sweet Spot groups the original color and five complimentary colors.



66.5141, 0.2579, 0.2889



89.2456, 0.2972, 0.3189



83.8063, 0.2903, 0.3928



18.7951, 0.2950, 0.3174



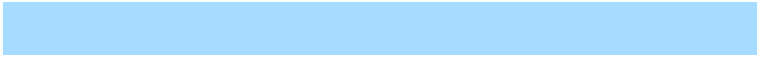
0.0000, 0.0000, 0.0000



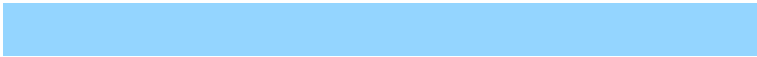
21.4041, 0.3127, 0.3290

Same Dimension

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



66.5141, 0.2579, 0.2889



61.0268, 0.2471, 0.2792



46.5405, 0.2508, 0.2363



19.2115, 0.2979, 0.3194



16.2651, 0.1873, 0.1943



1.7967, 0.1920, 0.2113

Inverse Universe

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



53.7094, 0.3459, 0.2740



47.2057, 0.3552, 0.2628



89.0892, 0.3687, 0.4072



18.1722, 0.3199, 0.3147



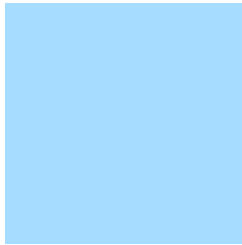
12.3699, 0.4517, 0.2262



1.2259, 0.4327, 0.2157

Previews

White Background



This preview shows how the Yxy color 66.5134, 0.2579, 0.2889 looks on a white background.

Color Contrast Check

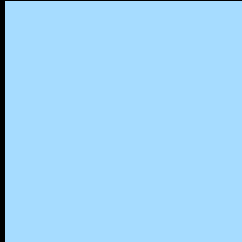
Large Text (above 18pt) WCAG AA × Fail

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 66.5134, 0.2579, 0.2889 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

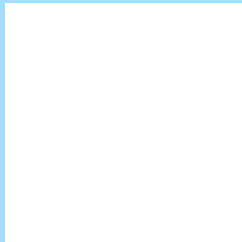
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.5134, 0.2579, 0.2889

Background



This preview shows how black text looks on a background with the Yxy color 66.5134, 0.2579, 0.2889.

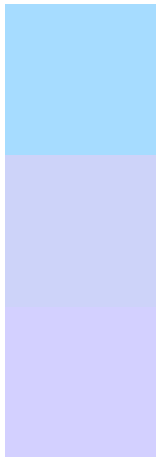


This preview shows how white text looks on a background with the Yxy color 66.5134, 0.2579, 0.2889.

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

66.5134, 0.2579, 0.2889

Protanopia

66.4072, 0.2839, 0.2875

Deuteranopia

66.1806, 0.2841, 0.2787



Tritanopia

66.2152, 0.2637, 0.3077

Trichromacy



Original Color

66.5134, 0.2579, 0.2889

Protanomaly

66.1345, 0.2739, 0.2878

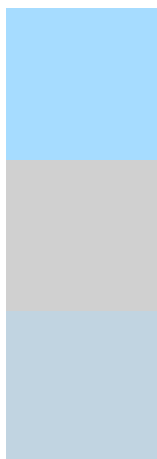
Deuteranomaly

65.9091, 0.2740, 0.2817

Tritanomaly

66.0920, 0.2615, 0.3009

Monochromacy



Original Color

66.5134, 0.2579, 0.2889

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.8607, 0.2906, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5134, 0.2579, 0.2889 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(166, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 220, 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(166, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.5134, 0.2579, 0.2889 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(166, 220, 255) }
```

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

```
.border{ border-color:rgb(166, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5134, 0.2579, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 220, 255) }
```

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

```
.background{ background-color: rgb(166,  
220, 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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