

Converting Colors

$Y_{xy}(65.1981, 0.2574, 0.2860)$

Have a look what the booklet for
Yxy(65.1981, 0.2574, 0.2860)
contains.

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Color

Yxy(65.4698, 0.2576, 0.2866)

Conversions

Conversions Part 1

Format	Color
Hex	A6DAFF
RGB	166, 218, 255
RGB Percent	65%, 85%, 100%
CMY	0.3490, 0.1451, 0.0001
CMYK	0.35, 0.14, 0.00, 0.00
HSL	205°, 100%, 83%
HSV	205°, 35%, 100%
XYZ	58.8452, 65.4698, 104.1212
YIQ	206.6700, -42.8690, 0.4830

Conversions

Conversions Part 2

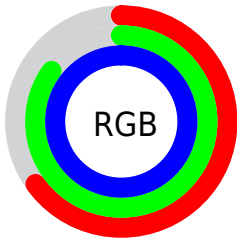
Format	Color
R _Y B	166, 199, 255
Decimal	10935039
CIE Lab	84.73, -8.01, -23.38
CIE LCh	85, 24.712, 251.081
Yxy	65.4698, 0.2576, 0.2866
Android (android.graphics.Color)	4289125119 (0xFFA6DAFF)
YUV	206.6700, 23.8267, -35.6676
Hunter-Lab	80.9134, -11.7824, -19.6563

Details

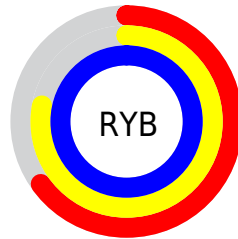
The Yxy color **65.4698, 0.2576, 0.2866** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.7121, 0.3828, 0.3676**, and the grayscale version is **62.0403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **33.6511, 0.2449, 0.2762** is the 20% darker color. If you saturate the color by 10%, you get **57.6631, 0.2422, 0.2720**, and if you desaturate by 10%, it is **74.1792, 0.2735, 0.3002**.

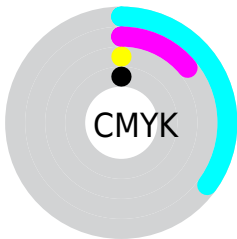
Distribution



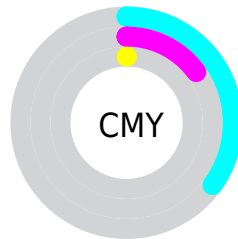
- Red (65%)
- Green (85%)
- Blue (100%)



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



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





- Cyan (35%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4698, 0.2576, 0.2866 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 65.4698, 0.2576, 0.2866 by changing the saturation by 10% instead.


 65.4698, 0.2576,
0.2866


 65.4698, 0.2576,
0.2866

444.4783, 0.2830,
0.3067

 47.8421, 0.2518,
0.2819


 112.7250, 0.2664,
0.2936

 33.7019, 0.2448,
0.2762


 143.1213, 0.2698,
0.2963

 22.6647, 0.2359,
0.2688


178.5427, 0.2728,
0.2987

 14.3461, 0.2244,
0.2591

219.3734, 0.2754,
0.3007

 8.3618, 0.2090,
0.2459

265.9980, 0.2776,
0.3025

 4.3273, 0.1876,
0.2270

318.8007, 0.2796,

 1.8583, 0.1561,

0.3040

0.1981

378.1660, 0.2814,
0.3054

0.5231, 0.0830,
0.1439

0.0000, 0.0000,
0.0000

65.4698, 0.2576,
0.2866

65.4698, 0.2576,
0.2866

57.6631, 0.2422,
0.2720

74.1792, 0.2735,
0.3002

50.7125, 0.2278,
0.2564

83.8196, 0.2894,
0.3127

44.5779, 0.2147,
0.2403

94.4276, 0.3052,
0.3239

39.2119, 0.2034,
0.2239

99.9984, 0.3127,
0.3290

■ 34.5604, 0.1942,
0.2076

■ 30.5579, 0.1873,
0.1918

■ 28.7189, 0.1844,
0.1839

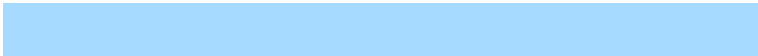
Harmonies

Analogous

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



65.4698, 0.2558, 0.3070



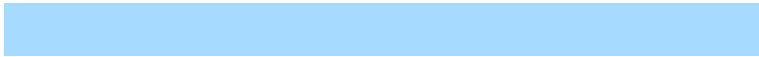
65.4698, 0.2576, 0.2866



65.4698, 0.2733, 0.2783

Triad

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



65.4698, 0.2576, 0.2866



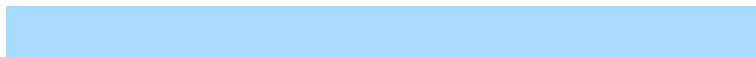
65.4698, 0.3585, 0.3204



65.4698, 0.3233, 0.3813

Complementary

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



65.4698, 0.2576, 0.2866



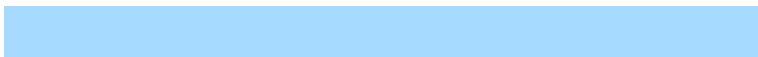
66.7121, 0.3828, 0.3676

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.



65.4698, 0.3519, 0.3827



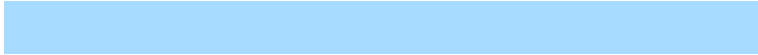
65.4698, 0.2576, 0.2866



65.4698, 0.3732, 0.3461

Square

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



65.4698, 0.2576, 0.2866



65.4698, 0.3312, 0.2977



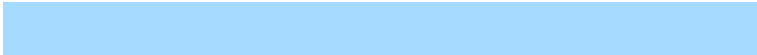
65.4698, 0.3705, 0.3690



65.4698, 0.2927, 0.3636

Rectangle

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



65.4698, 0.2576, 0.2866



65.4698, 0.2901, 0.2798



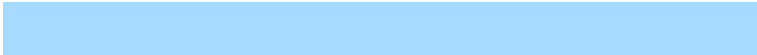
65.4698, 0.3705, 0.3690



65.4698, 0.3335, 0.3837

Sweetspot

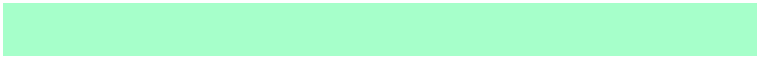
The Sweet Spot groups the original color and five complimentary colors.



65.4724, 0.2576, 0.2866



88.9047, 0.2972, 0.3183



83.8577, 0.2895, 0.3910



18.7125, 0.2949, 0.3167



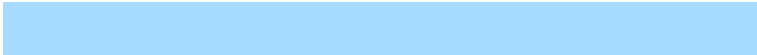
0.0000, 0.0000, 0.0000



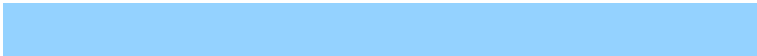
21.4041, 0.3127, 0.3290

Same Dimension

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



65.4724, 0.2576, 0.2866



59.8438, 0.2466, 0.2763



45.9509, 0.2506, 0.2346



19.1419, 0.2979, 0.3189



15.3111, 0.1851, 0.1865



1.7066, 0.1901, 0.2043

Inverse Universe

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



53.5943, 0.3476, 0.2759



47.0862, 0.3575, 0.2651



89.9685, 0.3682, 0.4085



18.1652, 0.3202, 0.3152



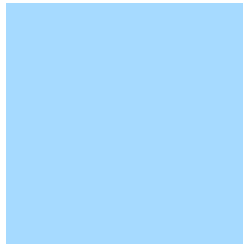
12.2736, 0.4609, 0.2312



1.2168, 0.4404, 0.2200

Previews

White Background



This preview shows how the Yxy color 65.4698, 0.2576, 0.2866 looks on a white background.

Color Contrast Check

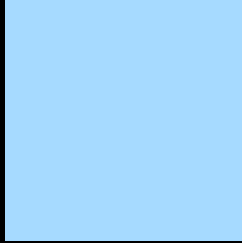
Large Text (above 18pt) WCAG AA × Fail

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 65.4698, 0.2576, 0.2866 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

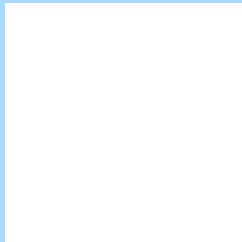
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.4698, 0.2576, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 65.4698, 0.2576, 0.2866.



This preview shows how white text looks on a background with the Yxy color 65.4698, 0.2576, 0.2866.

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

65.4698, 0.2576, 0.2866

Protanopia

65.1370, 0.2824, 0.2851

Deuteranopia

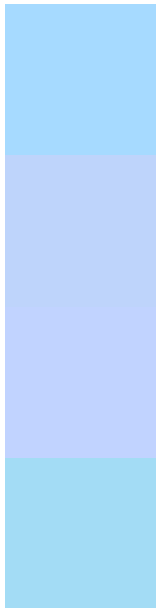
65.2555, 0.2820, 0.2773



Tritanopia

65.6263, 0.2641, 0.3076

Trichromacy



Original Color

65.4698, 0.2576, 0.2866

Protanomaly

64.9992, 0.2731, 0.2854

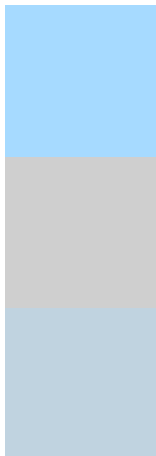
Deuteranomaly

65.1460, 0.2726, 0.2804

Tritanomaly

65.5655, 0.2614, 0.2997

Monochromacy



Original Color

65.4698, 0.2576, 0.2866

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.1768, 0.2906, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4698, 0.2576, 0.2866 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, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 218, 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, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.4698, 0.2576, 0.2866 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, 218, 255) }
```

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

```
.border{ border-color:rgb(166, 218, 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, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 218,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4698, 0.2576, 0.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 218, 255) }
```

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

```
.background{ background-color: rgb(166,  
218, 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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