

Converting Colors

Yxy(68.4504, 0.2571, 0.2938)

Have a look what the booklet for
Yxy(68.4504, 0.2571, 0.2938)
contains.

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Color

Yxy(68.3178, 0.2569, 0.2935)

Conversions

Conversions Part 1

Format	Color
Hex	A3E0FF
RGB	163, 224, 255
RGB Percent	64%, 88%, 100%
CMY	0.3611, 0.1215, 0.0000
CMYK	0.36, 0.12, 0.00, 0.00
HSL	200°, 100%, 82%
HSV	200°, 36%, 100%
XYZ	59.7984, 68.3178, 104.6531
YIQ	209.2950, -46.3070, -3.2910

Conversions

Conversions Part 2

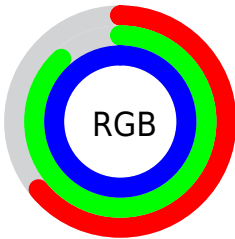
Format	Color
R _Y B	163, 200, 255
Decimal	10739967
CIE Lab	86.17, -11.93, -21.23
CIE LCh	86, 24.351, 240.666
Yxy	68.3178, 0.2569, 0.2935
Android (android.graphics.Color)	4288930047 (0xFFA3E0FF)
YUV	209.2950, 22.5326, -40.6007
Hunter-Lab	82.6546, -15.5054, -17.2118

Details

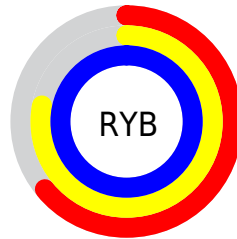
The Yxy color **68.3178, 0.2569, 0.2935** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.4400, 0.3887, 0.3616**, and the grayscale version is **63.8262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **35.5790, 0.2441, 0.2853** is the 20% darker color. If you saturate the color by 10%, you get **61.3990, 0.2425, 0.2817**, and if you desaturate by 10%, it is **76.0154, 0.2721, 0.3045**.

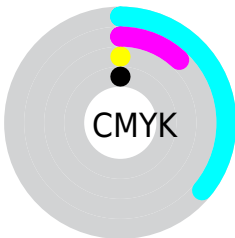
Distribution



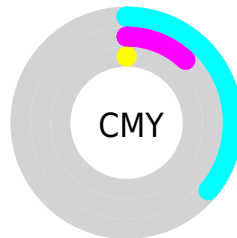
- Red (64%)
- Green (88%)
- Blue (100%)



- Red (64%)
- Yellow (78%)
- Blue (100%)



- Cyan (36%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3178, 0.2569, 0.2935 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 68.3178, 0.2569, 0.2935 by changing the saturation by 10% instead.


 68.3178, 0.2569,
0.2935

 68.3178, 0.2569,
0.2935

454.6212, 0.2824,
0.3104

 50.1563, 0.2512,
0.2896


 116.8067, 0.2657,
0.2994

 35.5376, 0.2441,
0.2847


 147.9028, 0.2691,
0.3017

 24.0773, 0.2353,
0.2784


184.0794, 0.2721,
0.3037

 15.3910, 0.2240,
0.2702

225.7207, 0.2747,
0.3054

 9.0942, 0.2089,
0.2589

273.2111, 0.2770,
0.3069

 4.8027, 0.1880,
0.2425

326.9350, 0.2790,

 2.1320, 0.1576,

0.3082

0.2172

387.2769, 0.2808,
0.3093

0.6825, 0.0917,
0.1750

0.0000, 0.0000,
0.0000

68.3178, 0.2569,
0.2935

68.3178, 0.2569,
0.2935

61.3990, 0.2425,
0.2817

76.0154, 0.2721,
0.3045

55.2174, 0.2293,
0.2693

84.5200, 0.2876,
0.3146

49.7351, 0.2176,
0.2565

93.8642, 0.3032,
0.3238

44.9073, 0.2077,
0.2434

100.0000, 0.3127,
0.3290

■ 40.6821, 0.1999,
0.2304

■ 36.9961, 0.1943,
0.2176

■ 35.6726, 0.1924,
0.2127

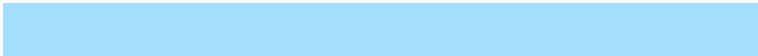
Harmonies

Analogous

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



68.3178, 0.2601, 0.3168



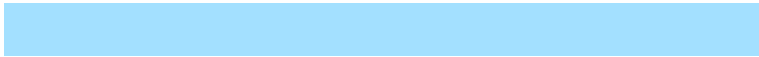
68.3178, 0.2569, 0.2935



68.3178, 0.2677, 0.2811

Triad

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



68.3178, 0.2569, 0.2935



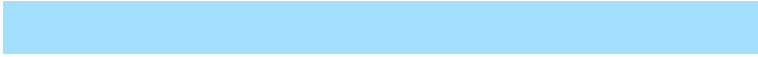
68.3178, 0.3490, 0.3124



68.3178, 0.3333, 0.3821

Complementary

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



68.3178, 0.2569, 0.2935



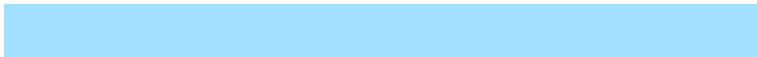
62.4400, 0.3887, 0.3616

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.



68.3178, 0.3586, 0.3780



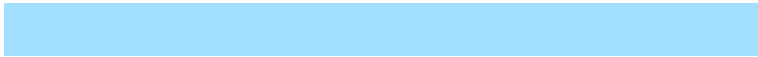
68.3178, 0.2569, 0.2935



68.3178, 0.3683, 0.3370

Square

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



68.3178, 0.2569, 0.2935



68.3178, 0.3201, 0.2924



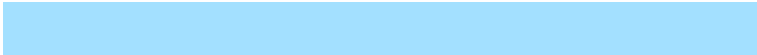
68.3178, 0.3717, 0.3609



68.3178, 0.3033, 0.3701

Rectangle

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



68.3178, 0.2569, 0.2935



68.3178, 0.2817, 0.2797



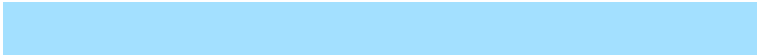
68.3178, 0.3717, 0.3609



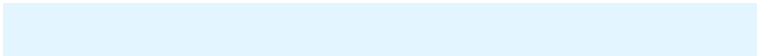
68.3178, 0.3427, 0.3825

Sweetspot

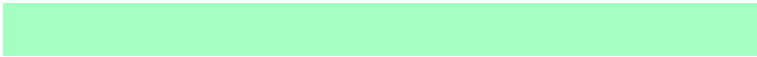
The Sweet Spot groups the original color and five complimentary colors.



68.3196, 0.2569, 0.2935



89.1885, 0.2956, 0.3194



83.1755, 0.2919, 0.4011



18.8203, 0.2935, 0.3182



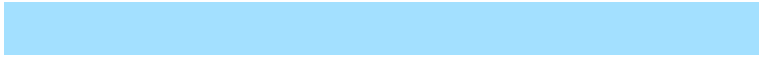
0.0000, 0.0000, 0.0000



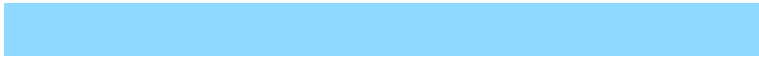
21.4041, 0.3127, 0.3290

Same Dimension

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



68.3196, 0.2569, 0.2935



63.4707, 0.2469, 0.2855



46.9443, 0.2491, 0.2381



19.3914, 0.2980, 0.3208



18.9267, 0.1930, 0.2148



2.0447, 0.1970, 0.2293

Inverse Universe

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



52.8082, 0.3428, 0.2671



46.6856, 0.3506, 0.2554



86.0175, 0.3722, 0.4058



18.1904, 0.3190, 0.3134



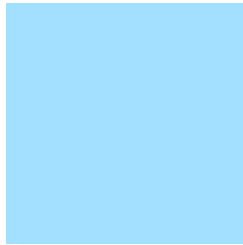
12.6386, 0.4289, 0.2136



1.2510, 0.4134, 0.2051

Previews

White Background



This preview shows how the Yxy color 68.3178, 0.2569, 0.2935 looks on a white background.

Color Contrast Check

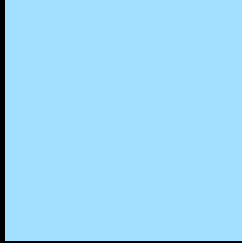
Large Text (above 18pt) WCAG AA × Fail

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 68.3178, 0.2569, 0.2935 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 68.3178, 0.2569, 0.2935

Background



This preview shows how black text looks on a background with the Yxy color 68.3178, 0.2569, 0.2935.



This preview shows how white text looks on a background with the Yxy color 68.3178, 0.2569, 0.2935.

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

68.3178, 0.2569, 0.2935

Protanopia

67.9211, 0.2873, 0.2911

Deuteranopia

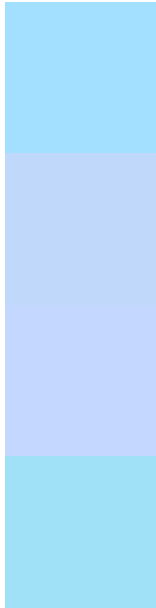
67.6093, 0.2862, 0.2812



Tritanopia

68.3979, 0.2612, 0.3079

Trichromacy



Original Color

68.3178, 0.2569, 0.2935

Protanomaly

67.7972, 0.2748, 0.2913

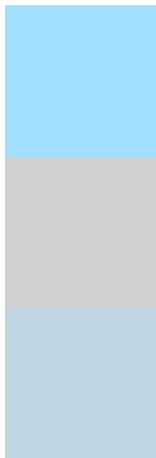
Deuteranomaly

67.4230, 0.2743, 0.2851

Tritanomaly

68.2048, 0.2595, 0.3023

Monochromacy



Original Color

68.3178, 0.2569, 0.2935

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.7906, 0.2894, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3178, 0.2569, 0.2935 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(163, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.3178, 0.2569, 0.2935 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(163, 224, 255) }
```

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

```
.border{ border-color:rgb(163, 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(163, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3178, 0.2569, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 224, 255) }
```

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

```
.background{ background-color: rgb(163,  
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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