

Converting Colors

Yxy(68.5491, 0.2611, 0.2925)

Have a look what the booklet for
Yxy(68.5491, 0.2611, 0.2925)
contains.

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Color

Yxy(68.6533, 0.2611, 0.2927)

Conversions

Conversions Part 1

Format	Color
Hex	ABDFFF
RGB	171, 223, 255
RGB Percent	67%, 87%, 100%
CMY	0.3293, 0.1255, 0.0000
CMYK	0.33, 0.13, 0.00, 0.00
HSL	203°, 100%, 84%
HSV	203°, 33%, 100%
XYZ	61.2415, 68.6533, 104.6570
YIQ	211.1000, -41.2640, -1.0720

Conversions

Conversions Part 2

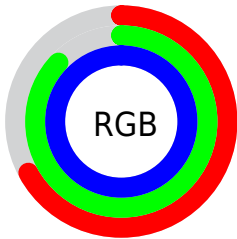
Format	Color
R_{YB}	171, 203, 255
Decimal	11263999
CIE _{Lab}	86.33, -9.23, -20.94
CIE _{LCh}	86, 22.888, 246.216
Yxy	68.6533, 0.2611, 0.2927
Android (android.graphics.Color)	4289454079 (0xFFABDFFF)
YUV	211.1000, 21.6427, -35.1677
Hunter-Lab	82.8573, -13.0674, -16.8891

Details

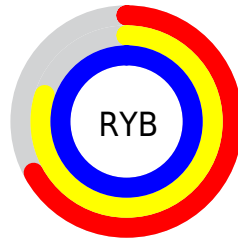
The Yxy color **68.6533, 0.2611, 0.2927** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.9338, 0.3788, 0.3624**, and the grayscale version is **65.0900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **35.7955, 0.2494, 0.2844** is the 20% darker color. If you saturate the color by 10%, you get **61.0146, 0.2460, 0.2796**, and if you desaturate by 10%, it is **77.1439, 0.2768, 0.3050**.

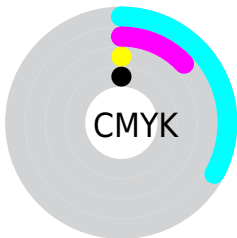
Distribution



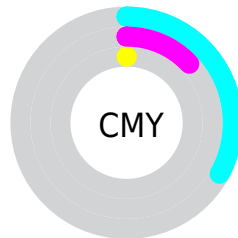
- Red (67%)
- Green (87%)
- Blue (100%)



- Red (67%)
- Yellow (80%)
- Blue (100%)



- Cyan (33%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6533, 0.2611, 0.2927 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 68.6533, 0.2611, 0.2927 by changing the saturation by 10% instead.

■ 68.6533, 0.2611,
0.2927

■ 68.6533, 0.2611,
0.2927

455.8072, 0.2848,
0.3098

■ 50.4294, 0.2558,
0.2887

■ 117.2862, 0.2693,
0.2987

■ 35.7547, 0.2492,
0.2838

148.4641, 0.2724,
0.3010

■ 24.2448, 0.2410,
0.2775

184.7287, 0.2752,
0.3030

■ 15.5153, 0.2305,
0.2693

226.4645, 0.2776,
0.3047

■ 9.1818, 0.2164,
0.2581

274.0559, 0.2797,
0.3062

■ 4.8600, 0.1967,
0.2419

327.8872, 0.2816,

■ 2.1653, 0.1679,

0.3076

0.2170

388.3428, 0.2833,
0.3088

0.7010, 0.1102,
0.1752

0.0000, 0.0000,
0.0000

68.6533, 0.2611,
0.2927

68.6533, 0.2611,
0.2927

61.0146, 0.2460,
0.2796

77.1439, 0.2768,
0.3050

54.1891, 0.2317,
0.2656

86.5186, 0.2926,
0.3161

48.1371, 0.2189,
0.2510

96.8100, 0.3082,
0.3262

42.8140, 0.2077,
0.2361

100.0000, 0.3127,
0.3290

■ 38.1688, 0.1986,
0.2211

■ 34.1407, 0.1917,
0.2065

■ 31.6041, 0.1879,
0.1963

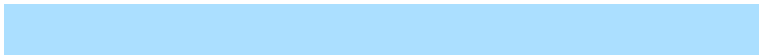
Harmonies

Analogous

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



68.6533, 0.2617, 0.3130



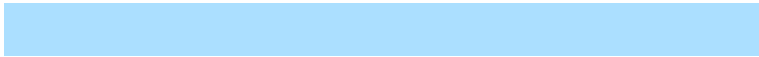
68.6533, 0.2611, 0.2927



68.6533, 0.2736, 0.2830

Triad

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



68.6533, 0.2611, 0.2927



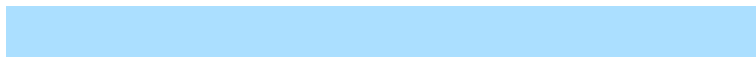
68.6533, 0.3510, 0.3176



68.6533, 0.3270, 0.3778

Complementary

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



68.6533, 0.2611, 0.2927



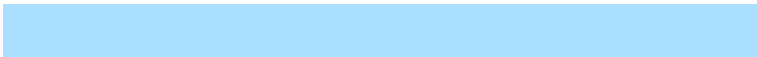
66.9338, 0.3788, 0.3624

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.



68.6533, 0.3521, 0.3768



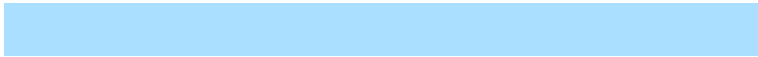
68.6533, 0.2611, 0.2927



68.6533, 0.3666, 0.3411

Square

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



68.6533, 0.2611, 0.2927



68.6533, 0.3250, 0.2975



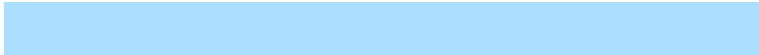
68.6533, 0.3669, 0.3628



68.6533, 0.2989, 0.3639

Rectangle

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



68.6533, 0.2611, 0.2927



68.6533, 0.2880, 0.2831



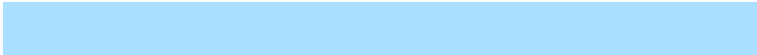
68.6533, 0.3669, 0.3628



68.6533, 0.3361, 0.3791

Sweetspot

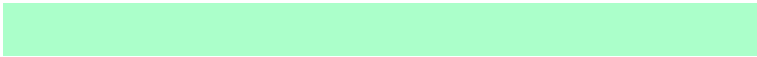
The Sweet Spot groups the original color and five complimentary colors.



68.6540, 0.2611, 0.2927



89.4345, 0.2972, 0.3192



84.4379, 0.2921, 0.3902



18.8409, 0.2950, 0.3177



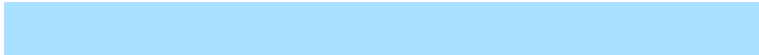
0.0000, 0.0000, 0.0000



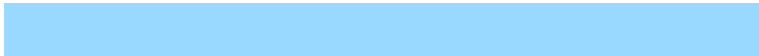
21.4041, 0.3127, 0.3290

Same Dimension

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



68.6540, 0.2611, 0.2927



63.1647, 0.2503, 0.2835



49.4328, 0.2550, 0.2441



19.2500, 0.2979, 0.3197



16.8113, 0.1885, 0.1987



1.8480, 0.1931, 0.2152

Inverse Universe

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



55.7269, 0.3426, 0.2762



49.0065, 0.3513, 0.2647



88.7857, 0.3658, 0.4016



18.1761, 0.3197, 0.3144



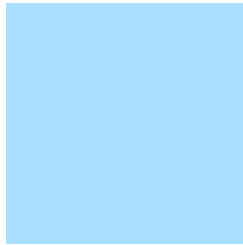
12.4251, 0.4467, 0.2235



1.2311, 0.4285, 0.2134

Previews

White Background



This preview shows how the Yxy color 68.6533, 0.2611, 0.2927 looks on a white background.

Color Contrast Check

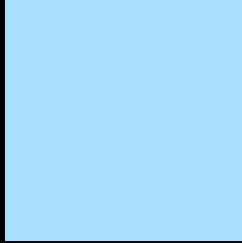
Large Text (above 18pt) WCAG AA × Fail

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 68.6533, 0.2611, 0.2927 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

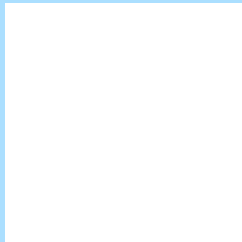
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6533, 0.2611, 0.2927

Background



This preview shows how black text looks on a background with the Yxy color 68.6533, 0.2611, 0.2927.

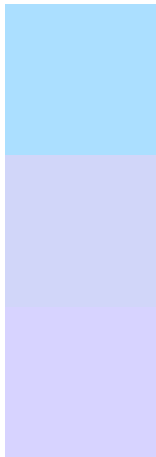


This preview shows how white text looks on a background with the Yxy color 68.6533, 0.2611, 0.2927.

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

68.6533, 0.2611, 0.2927

Protanopia

68.4880, 0.2867, 0.2912

Deuteranopia

68.2556, 0.2869, 0.2823



Tritanopia

68.6463, 0.2659, 0.3081

Trichromacy



Original Color

68.6533, 0.2611, 0.2927

Protanomaly

68.1928, 0.2767, 0.2915

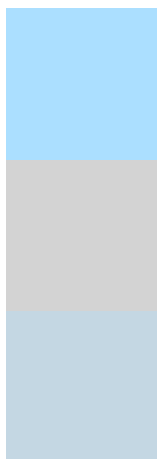
Deuteranomaly

67.9630, 0.2768, 0.2854

Tritanomaly

68.4617, 0.2642, 0.3025

Monochromacy



Original Color

68.6533, 0.2611, 0.2927

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.8827, 0.2915, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6533, 0.2611, 0.2927 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(171, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 223, 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(171, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.6533, 0.2611, 0.2927 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(171, 223, 255) }
```

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

```
.border{ border-color:rgb(171, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6533, 0.2611, 0.2927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 223, 255) }
```

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

```
.background{ background-color: rgb(171,  
223, 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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