

Converting Colors

$Yxy(68.1765, 0.2611, 0.2994)$

Have a look what the booklet for
Yxy(68.1765, 0.2611, 0.2994)
contains.

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Color

Yxy(68.3204, 0.2611, 0.2991)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A6E0FA |
| RGB | 166, 224, 250 |
| RGB Percent | 65%, 88%, 98% |
| CMY | 0.3488, 0.1216, 0.0197 |
| CMYK | 0.34, 0.10, 0.00, 0.02 |
| HSL | 199°, 89%, 82% |
| HSV | 199°, 34%, 98% |
| XYZ | 59.6404, 68.3204, 100.4591 |
| YIQ | 209.6220, -42.9140, -4.2100 |

Conversions

Conversions Part 2

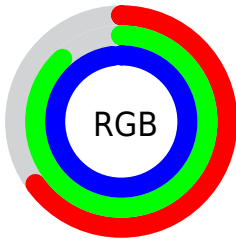
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 166, 200, 250 |
| Decimal | 10936570 |
| CIE Lab | 86.17, -12.31, -18.55 |
| CIE LCh | 86, 22.268, 236.431 |
| Yxy | 68.3204, 0.2611, 0.2991 |
| Android (android.graphics.Color) | 4289126650 (0xFFA6E0FA) |
| YUV | 209.6220, 19.9064, -38.2565 |
| Hunter-Lab | 82.6562, -15.8518, -14.2009 |

Details

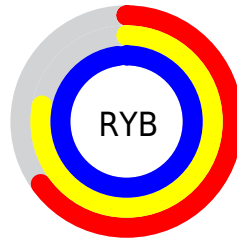
The Yxy color **68.3204, 0.2611, 0.2991** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.7831, 0.3825, 0.3568**, and the grayscale version is **64.0836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **35.6057, 0.2495, 0.2926** is the 20% darker color. If you saturate the color by 10%, you get **61.8138, 0.2468, 0.2885**, and if you desaturate by 10%, it is **75.5467, 0.2762, 0.3090**.

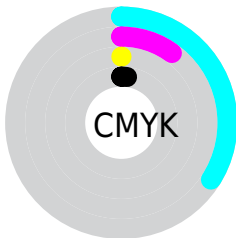
Distribution



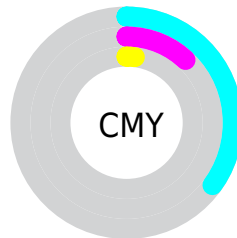
- Red (65%)
- Green (88%)
- Blue (98%)



- Red (65%)
- Yellow (78%)
- Blue (98%)



- Cyan (34%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)




- Cyan (35%)
- Magenta (12%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3204, 0.2611, 0.2991 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 68.3204, 0.2611, 0.2991 by changing the saturation by 10% instead.


 68.3204, 0.2611,
0.2991

 68.3204, 0.2611,
0.2991


454.6304, 0.2848,
0.3134

 50.1584, 0.2558,
0.2957


 116.8104, 0.2693,
0.3041

 35.5393, 0.2492,
0.2916


 147.9072, 0.2725,
0.3061

 24.0786, 0.2410,
0.2862


184.0844, 0.2752,
0.3077

 15.3919, 0.2303,
0.2791

225.7264, 0.2776,
0.3092

 9.0949, 0.2161,
0.2693

273.2176, 0.2797,
0.3104

 4.8031, 0.1963,
0.2549

326.9424, 0.2816,

 2.1322, 0.1669,

0.3115

0.2322

387.2852, 0.2833,
0.3125

0.6827, 0.0989,
0.1939

0.0000, 0.0000,
0.0000

68.3204, 0.2611,
0.2991

68.3204, 0.2611,
0.2991

61.8138, 0.2468,
0.2885

75.5467, 0.2762,
0.3090

55.9857, 0.2335,
0.2773

83.5150, 0.2916,
0.3180

50.8026, 0.2218,
0.2657

92.2565, 0.3072,
0.3263

46.2241, 0.2119,
0.2538

99.6435, 0.3156,
0.3337

■ 42.2037, 0.2039,
0.2419

■ 99.6801, 0.3156,
0.3338

■ 38.6852, 0.1981,
0.2301

■ 36.6366, 0.1952,
0.2226

Harmonies

Analogous

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



68.3204, 0.2659, 0.3215



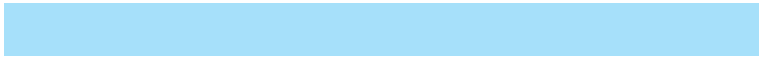
68.3204, 0.2611, 0.2991



68.3204, 0.2693, 0.2860

Triad

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



68.3204, 0.2611, 0.2991



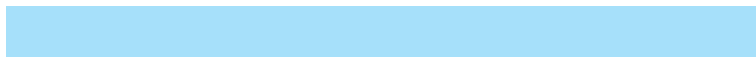
68.3204, 0.3425, 0.3109



68.3204, 0.3354, 0.3778

Complementary

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



68.3204, 0.2611, 0.2991



60.7831, 0.3825, 0.3568

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.



68.3204, 0.3572, 0.3723



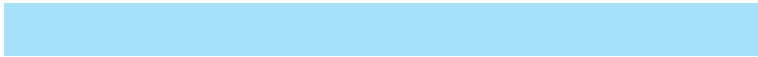
68.3204, 0.2611, 0.2991



68.3204, 0.3618, 0.3333

Square

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



68.3204, 0.2611, 0.2991



68.3204, 0.3155, 0.2933



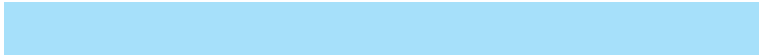
68.3204, 0.3671, 0.3556



68.3204, 0.3081, 0.3688

Rectangle

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



68.3204, 0.2611, 0.2991



68.3204, 0.2812, 0.2836



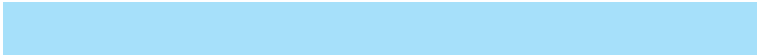
68.3204, 0.3671, 0.3556



68.3204, 0.3436, 0.3775

Sweetspot

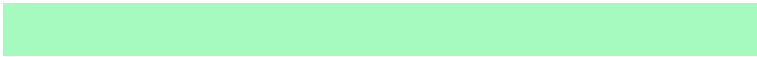
The Sweet Spot groups the original color and five complimentary colors.



68.3231, 0.2611, 0.2991



90.5481, 0.2972, 0.3211



80.2360, 0.2947, 0.3985



19.1109, 0.2950, 0.3199



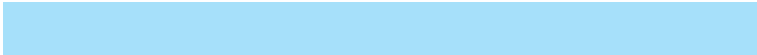
0.0000, 0.0000, 0.0000



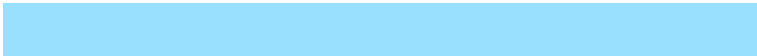
21.4041, 0.3127, 0.3290

Same Dimension

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



68.3231, 0.2611, 0.2991



66.9990, 0.2517, 0.2923



48.8125, 0.2546, 0.2492



18.6490, 0.2980, 0.3215



19.7063, 0.1957, 0.2246



2.0135, 0.1996, 0.2385

Inverse Universe

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



52.9917, 0.3381, 0.2693



49.3935, 0.3446, 0.2578



81.4561, 0.3686, 0.3977



17.4277, 0.3186, 0.3128



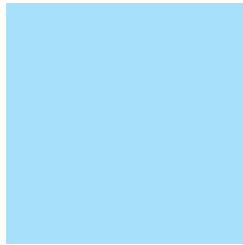
12.4003, 0.4184, 0.2078



1.1675, 0.4038, 0.1998

Previews

White Background



This preview shows how the Yxy color 68.3204, 0.2611, 0.2991 looks on a white background.

Color Contrast Check

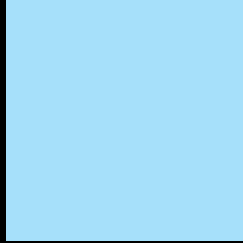
Large Text (above 18pt) WCAG AA × Fail

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 68.3204, 0.2611, 0.2991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

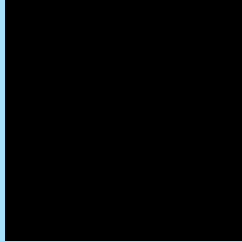
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3204, 0.2611, 0.2991

Background



This preview shows how black text looks on a background with the Yxy color 68.3204, 0.2611, 0.2991.

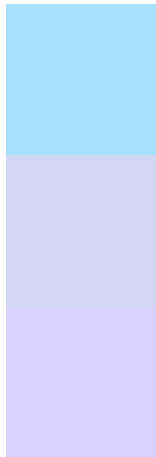


This preview shows how white text looks on a background with the Yxy color 68.3204, 0.2611, 0.2991.

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

68.3204, 0.2611, 0.2991

Protanopia

67.7612, 0.2910, 0.2963

Deuteranopia

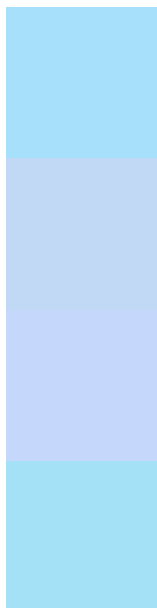
67.9367, 0.2895, 0.2834



Tritanopia

68.2140, 0.2637, 0.3080

Trichromacy



Original Color

68.3204, 0.2611, 0.2991

Protanomaly

67.7489, 0.2789, 0.2967

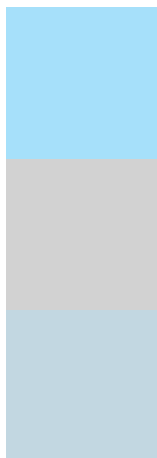
Deuteranomaly

67.6349, 0.2779, 0.2884

Tritanomaly

68.5036, 0.2627, 0.3046

Monochromacy



Original Color

68.3204, 0.2611, 0.2991

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.5065, 0.2914, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3204, 0.2611, 0.2991 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, 224, 250)` looks like.

```
.text, #text, p{  
    color:rgb(166, 224, 250)  
}
```

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, 224, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 224, 250) }
```

Border

The CSS property to change the border of an element to Yxy 68.3204, 0.2611, 0.2991 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, 224, 250) }
```

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

```
.border{ border-color:rgb(166, 224, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 224, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 224, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 224, 250);  
box-shadow:4px 4px 4px 4px rgb(166, 224,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3204, 0.2611, 0.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 224, 250) }
```

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

```
.background{ background-color: rgb(166,  
224, 250) }
```

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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