

Converting Colors

$Yxy(67.6433, 0.2581, 0.2915)$

Have a look what the booklet for
Yxy(67.6433, 0.2581, 0.2915)
contains.

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Color

Yxy(67.5695, 0.2582, 0.2913)

Conversions

Conversions Part 1

Format	Color
Hex	A6DEFF
RGB	166, 222, 255
RGB Percent	65%, 87%, 100%
CMY	0.3492, 0.1294, 0.0000
CMYK	0.35, 0.13, 0.00, 0.00
HSL	202°, 100%, 83%
HSV	202°, 35%, 100%
XYZ	59.8917, 67.5695, 104.4973
YIQ	209.0180, -43.9690, -1.6090

Conversions

Conversions Part 2

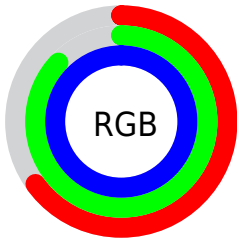
Format	Color
RYB	166, 200, 255
Decimal	10936063
CIELab	85.79, -10.09, -21.78
CIELCh	86, 24.002, 245.132
Yxy	67.5695, 0.2582, 0.2913
Android (android.graphics.Color)	4289126143 (0xFFA6DEFF)
YUV	209.0180, 22.6691, -37.7268
Hunter-Lab	82.2007, -13.7955, -17.8317

Details

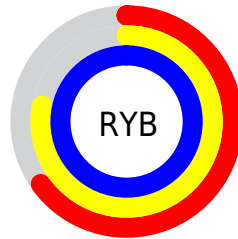
The Yxy color **67.5695, 0.2582, 0.2913** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.8374, 0.3843, 0.3636**, and the grayscale version is **63.6405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **35.0942, 0.2460, 0.2824** is the 20% darker color. If you saturate the color by 10%, you get **60.2050, 0.2433, 0.2784**, and if you desaturate by 10%, it is **75.7661, 0.2737, 0.3034**.

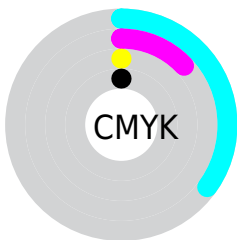
Distribution



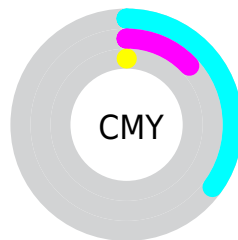
- Red (65%)
- Green (87%)
- Blue (100%)



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



- Cyan (35%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5695, 0.2582, 0.2913 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 67.5695, 0.2582, 0.2913 by changing the saturation by 10% instead.


 67.5695, 0.2582,
0.2913

 67.5695, 0.2582,
0.2913


451.9692, 0.2832,
0.3092

 49.5476, 0.2526,
0.2871


 115.7361, 0.2668,
0.2976

 35.0541, 0.2456,
0.2820


 146.6495, 0.2702,
0.3000

 23.7045, 0.2370,
0.2754


182.6289, 0.2731,
0.3021

 15.1146, 0.2258,
0.2668

224.0587, 0.2756,
0.3039

 8.8998, 0.2109,
0.2549

271.3232, 0.2779,
0.3054

 4.6759, 0.1902,
0.2379

324.8069, 0.2799,

 2.0584, 0.1599,

0.3068

0.2116

384.8941, 0.2816,
0.3081

0.6411, 0.0943,
0.1666

0.0000, 0.0000,
0.0000

67.5695, 0.2582,
0.2913

67.5695, 0.2582,
0.2913

60.2050, 0.2433,
0.2784

75.7661, 0.2737,
0.3034

53.6287, 0.2295,
0.2647

84.8222, 0.2894,
0.3144

47.8024, 0.2171,
0.2504

94.7720, 0.3051,
0.3245

42.6808, 0.2064,
0.2359

100.0000, 0.3127,
0.3290

■ 38.2118, 0.1979,
0.2215

■ 34.3321, 0.1916,
0.2073

■ 32.5419, 0.1890,
0.2002

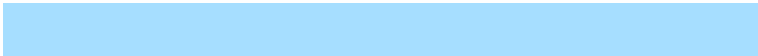
Harmonies

Analogous

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



67.5695, 0.2593, 0.3130



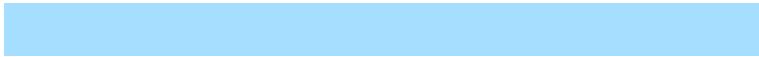
67.5695, 0.2582, 0.2913



67.5695, 0.2708, 0.2808

Triad

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



67.5695, 0.2582, 0.2913



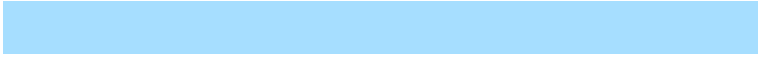
67.5695, 0.3523, 0.3161



67.5695, 0.3288, 0.3808

Complementary

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



67.5695, 0.2582, 0.2913



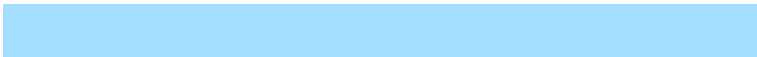
64.8374, 0.3843, 0.3636

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.



67.5695, 0.3550, 0.3790



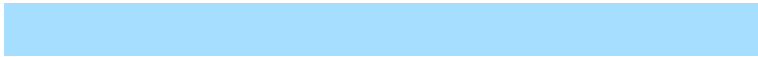
67.5695, 0.2582, 0.2913



67.5695, 0.3692, 0.3407

Square

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



67.5695, 0.2582, 0.2913



67.5695, 0.3245, 0.2953



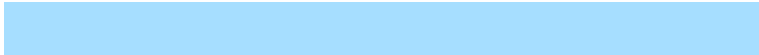
67.5695, 0.3701, 0.3637



67.5695, 0.2991, 0.3666

Rectangle

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



67.5695, 0.2582, 0.2913



67.5695, 0.2857, 0.2806



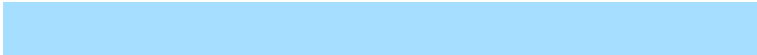
67.5695, 0.3701, 0.3637



67.5695, 0.3383, 0.3819

Sweetspot

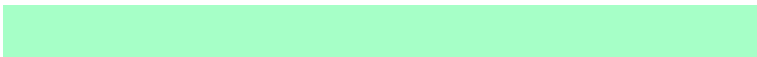
The Sweet Spot groups the original color and five complimentary colors.



67.5718, 0.2582, 0.2913



89.5996, 0.2972, 0.3195



83.7287, 0.2910, 0.3946



18.8809, 0.2950, 0.3181



0.0000, 0.0000, 0.0000



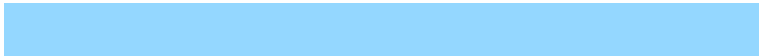
21.4041, 0.3127, 0.3290

Same Dimension

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



67.5718, 0.2582, 0.2913



62.2696, 0.2476, 0.2822



47.0989, 0.2510, 0.2381



19.2837, 0.2979, 0.3200



17.2994, 0.1896, 0.2025



1.8937, 0.1940, 0.2185

Inverse Universe

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



53.7942, 0.3441, 0.2720



47.3311, 0.3529, 0.2605



88.1901, 0.3692, 0.4059



18.1795, 0.3195, 0.3141



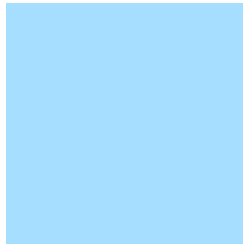
12.4743, 0.4424, 0.2211



1.2357, 0.4248, 0.2114

Previews

White Background



This preview shows how the Yxy color 67.5695, 0.2582, 0.2913 looks on a white background.

Color Contrast Check

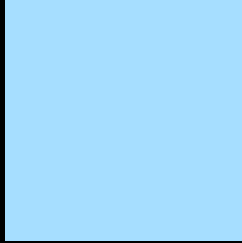
Large Text (above 18pt) WCAG AA × Fail

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 67.5695, 0.2582, 0.2913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

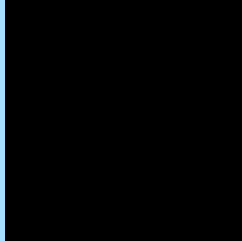
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5695, 0.2582, 0.2913

Background



This preview shows how black text looks on a background with the Yxy color 67.5695, 0.2582, 0.2913.

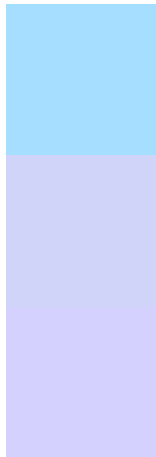


This preview shows how white text looks on a background with the Yxy color 67.5695, 0.2582, 0.2913.

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

67.5695, 0.2582, 0.2913

Protanopia

67.1297, 0.2859, 0.2898

Deuteranopia

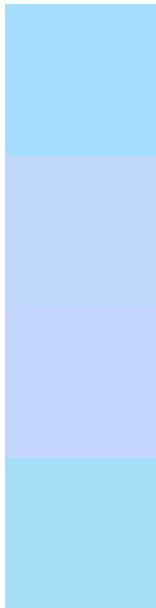
66.9671, 0.2855, 0.2800



Tritanopia

67.5086, 0.2635, 0.3079

Trichromacy



Original Color

67.5695, 0.2582, 0.2913

Protanomaly

67.2832, 0.2747, 0.2902

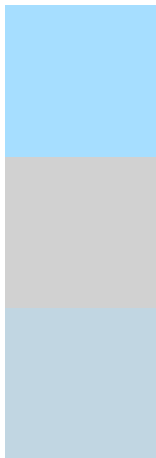
Deuteranomaly

67.0489, 0.2748, 0.2841

Tritanomaly

67.3833, 0.2613, 0.3011

Monochromacy



Original Color

67.5695, 0.2582, 0.2913

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.9216, 0.2901, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5695, 0.2582, 0.2913 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, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 222, 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, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.5695, 0.2582, 0.2913 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, 222, 255) }
```

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

```
.border{ border-color:rgb(166, 222, 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, 222, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 222,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5695, 0.2582, 0.2913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 222, 255) }
```

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

```
.background{ background-color: rgb(166,  
222, 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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