

Converting Colors

Yxy(67.0046, 0.2566, 0.2906)

Have a look what the booklet for
Yxy(67.0046, 0.2566, 0.2906)
contains.

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Color

Yxy(67.2491, 0.2566, 0.2911)

Conversions

Conversions Part 1

Format	Color
Hex	A3DEFF
RGB	163, 222, 255
RGB Percent	64%, 87%, 100%
CMY	0.3608, 0.1294, 0.0000
CMYK	0.36, 0.13, 0.00, 0.00
HSL	202°, 100%, 82%
HSV	202°, 36%, 100%
XYZ	59.2790, 67.2491, 104.4891
YIQ	208.1210, -45.7570, -2.2450

Conversions

Conversions Part 2

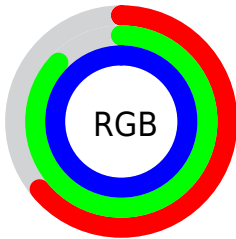
Format	Color
R _Y B	163, 199, 255
Decimal	10739455
CIE Lab	85.63, -10.87, -22.05
CIE LCh	86, 24.581, 243.767
Yxy	67.2491, 0.2566, 0.2911
Android (android.graphics.Color)	4288929535 (0xFFA3DEFF)
YUV	208.1210, 23.1113, -39.5711
Hunter-Lab	82.0055, -14.4782, -18.1417

Details

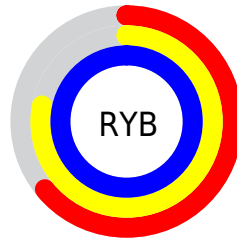
The Yxy color **67.2491, 0.2566, 0.2911** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.3845, 0.3878, 0.3637**, and the grayscale version is **63.0286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **34.9028, 0.2442, 0.2822** is the 20% darker color. If you saturate the color by 10%, you get **60.0960, 0.2420, 0.2785**, and if you desaturate by 10%, it is **75.2096, 0.2720, 0.3029**.

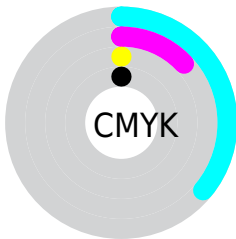
Distribution



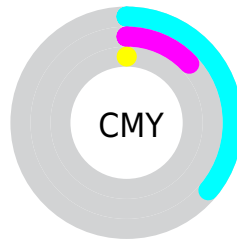
- Red (64%)
- Green (87%)
- Blue (100%)



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



- Cyan (36%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2491, 0.2566, 0.2911 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 67.2491, 0.2566, 0.2911 by changing the saturation by 10% instead.

 67.2491, 0.2566,
0.2911


 67.2491, 0.2566,
0.2911


450.8309, 0.2824,
0.3091

 49.2871, 0.2508,
0.2869

 115.2773, 0.2655,
0.2974

 34.8473, 0.2437,
0.2817


 146.1122, 0.2689,
0.2999

 23.5453, 0.2348,
0.2750


182.0069, 0.2719,
0.3019

 14.9966, 0.2233,
0.2663

223.3458, 0.2746,
0.3038

 8.8170, 0.2080,
0.2543

270.5133, 0.2769,
0.3053

 4.6220, 0.1867,
0.2370

323.8937, 0.2789,

 2.0272, 0.1558,

0.3067

0.2102

383.8714, 0.2807,
0.3080

■ 0.6232, 0.0862,
0.1642

■ 0.0000, 0.0000,
0.0000

■ 67.2491, 0.2566,
0.2911

■ 67.2491, 0.2566,
0.2911

■ 60.0960, 0.2420,
0.2785

■ 75.2096, 0.2720,
0.3029

■ 53.7117, 0.2284,
0.2652

■ 84.0099, 0.2876,
0.3137

■ 48.0561, 0.2164,
0.2515

■ 93.6823, 0.3033,
0.3235

■ 43.0837, 0.2062,
0.2374

100.0000, 0.3127,
0.3290

■ 38.7419, 0.1981,
0.2235

■ 34.9663, 0.1921,
0.2098

■ 33.6043, 0.1902,
0.2045

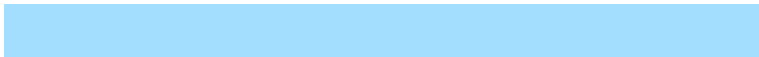
Harmonies

Analogous

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



67.2491, 0.2584, 0.3137



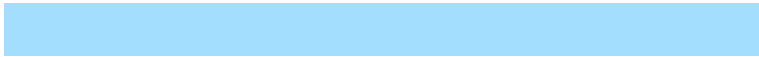
67.2491, 0.2566, 0.2911



67.2491, 0.2689, 0.2798

Triad

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



67.2491, 0.2566, 0.2911



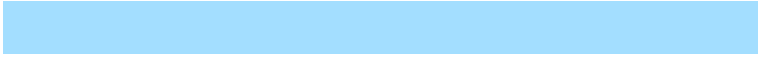
67.2491, 0.3522, 0.3146



67.2491, 0.3305, 0.3824

Complementary

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



67.2491, 0.2566, 0.2911



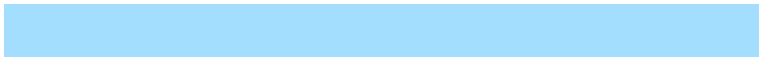
63.3845, 0.3878, 0.3637

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.



67.2491, 0.3571, 0.3799



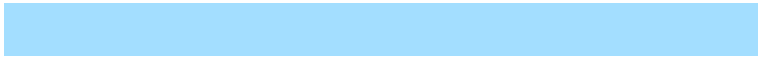
67.2491, 0.2566, 0.2911



67.2491, 0.3703, 0.3398

Square

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



67.2491, 0.2566, 0.2911



67.2491, 0.3234, 0.2936



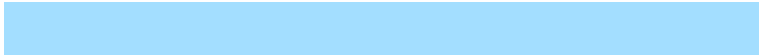
67.2491, 0.3719, 0.3636



67.2491, 0.3001, 0.3686

Rectangle

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



67.2491, 0.2566, 0.2911



67.2491, 0.2839, 0.2793



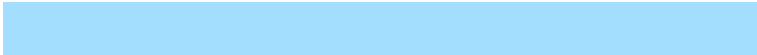
67.2491, 0.3719, 0.3636



67.2491, 0.3402, 0.3834

Sweetspot

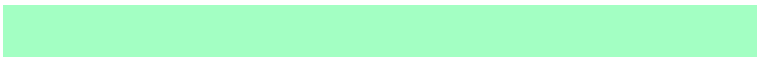
The Sweet Spot groups the original color and five complimentary colors.



67.2497, 0.2566, 0.2911



88.8105, 0.2956, 0.3188



83.2559, 0.2912, 0.3991



18.7300, 0.2935, 0.3175



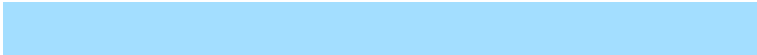
0.0000, 0.0000, 0.0000



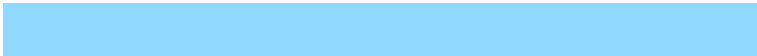
21.4041, 0.3127, 0.3290

Same Dimension

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



67.2497, 0.2566, 0.2911



62.2141, 0.2464, 0.2825



46.3725, 0.2489, 0.2364



19.3210, 0.2980, 0.3203



17.8519, 0.1908, 0.2068



1.9451, 0.1951, 0.2223

Inverse Universe

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



52.7289, 0.3445, 0.2691



46.5587, 0.3529, 0.2577



86.9336, 0.3717, 0.4071



18.1833, 0.3193, 0.3139



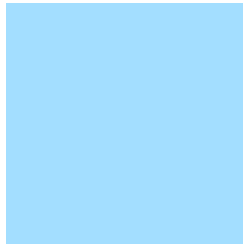
12.5301, 0.4377, 0.2185



1.2409, 0.4208, 0.2092

Previews

White Background



This preview shows how the Yxy color 67.2491, 0.2566, 0.2911 looks on a white background.

Color Contrast Check

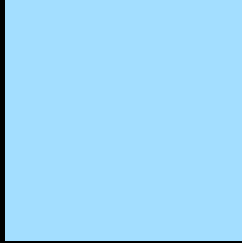
Large Text (above 18pt) WCAG AA × Fail

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 67.2491, 0.2566, 0.2911 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

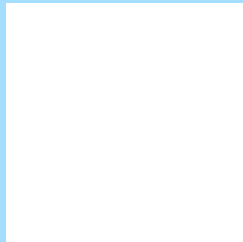
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.2491, 0.2566, 0.2911

Background



This preview shows how black text looks on a background with the Yxy color 67.2491, 0.2566, 0.2911.

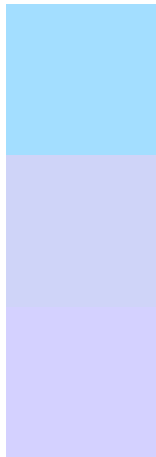


This preview shows how white text looks on a background with the Yxy color 67.2491, 0.2566, 0.2911.

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

67.2491, 0.2566, 0.2911

Protanopia

67.1297, 0.2859, 0.2898

Deuteranopia

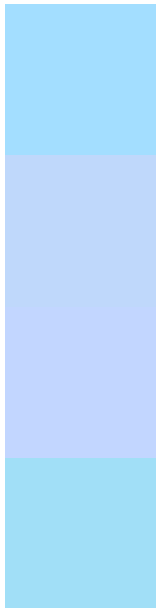
66.8180, 0.2848, 0.2799



Tritanopia

67.1957, 0.2619, 0.3078

Trichromacy



Original Color

67.2491, 0.2566, 0.2911

Protanomaly

67.1531, 0.2741, 0.2901

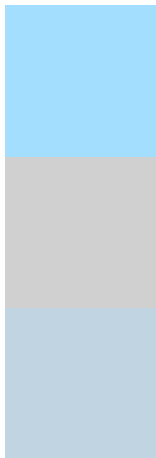
Deuteranomaly

66.7825, 0.2735, 0.2839

Tritanomaly

67.0678, 0.2597, 0.3010

Monochromacy



Original Color

67.2491, 0.2566, 0.2911

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.2312, 0.2900, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2491, 0.2566, 0.2911 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, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.2491, 0.2566, 0.2911 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, 222, 255) }
```

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

```
.border{ border-color:rgb(163, 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(163, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 222,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2491, 0.2566, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 222, 255) }
```

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

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