

Converting Colors

$Yxy(67.7746, 0.2525, 0.2939)$

Have a look what the booklet for
Yxy(67.7746, 0.2525, 0.2939)
contains.

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Color

Yxy(67.9405, 0.2525, 0.2943)

Conversions

Conversions Part 1

Format	Color
Hex	9AE1FF
RGB	154, 225, 255
RGB Percent	60%, 88%, 100%
CMY	0.3963, 0.1176, 0.0001
CMYK	0.40, 0.12, 0.00, 0.00
HSL	198°, 100%, 80%
HSV	198°, 40%, 100%
XYZ	58.2908, 67.9405, 104.6233
YIQ	207.1910, -51.9460, -5.7220

Conversions

Conversions Part 2

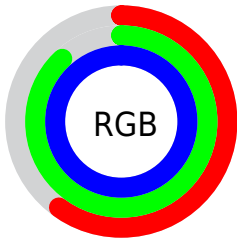
Format	Color
RYB	154, 196, 255
Decimal	10150399
CIELab	85.98, -14.75, -21.54
CIELCh	86, 26.102, 235.594
Yxy	67.9405, 0.2525, 0.2943
Android (android.graphics.Color)	4288340479 (0xFF9AE1FF)
YUV	207.1910, 23.5698, -46.6485
Hunter-Lab	82.4260, -18.0123, -17.5585

Details

The Yxy color **67.9405, 0.2525, 0.2943** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.8294, 0.4003, 0.3607**, and the grayscale version is **62.3914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **35.4233, 0.2393, 0.2863** is the 20% darker color. If you saturate the color by 10%, you get **61.7040, 0.2389, 0.2838**, and if you desaturate by 10%, it is **74.8945, 0.2671, 0.3042**.

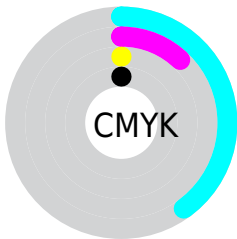
Distribution



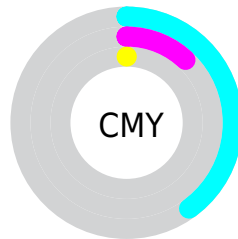
- Red (60%)
- Green (88%)
- Blue (100%)



- Red (60%)
- Yellow (77%)
- Blue (100%)



- Cyan (40%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9405, 0.2525, 0.2943 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 67.9405, 0.2525, 0.2943 by changing the saturation by 10% instead.

 67.9405, 0.2525,
0.2943

 67.9405, 0.2525,
0.2943


453.2852, 0.2800,
0.3109

 49.8493, 0.2463,
0.2904


 116.2670, 0.2620,
0.3002

 35.2937, 0.2388,
0.2855


 147.2712, 0.2657,
0.3024

 23.8892, 0.2293,
0.2793

183.3484, 0.2689,
0.3044

 15.2514, 0.2172,
0.2710

224.8832, 0.2717,
0.3060

 8.9960, 0.2011,
0.2596

272.2598, 0.2741,
0.3075

 4.7386, 0.1790,
0.2430

325.8628, 0.2763,

 2.0947, 0.1470,

0.3088

0.2172

386.0764, 0.2783,
0.3099

0.6617, 0.0710,
0.1747

0.0000, 0.0000,
0.0000

67.9405, 0.2525,
0.2943

67.9405, 0.2525,
0.2943

61.7040, 0.2389,
0.2838

74.8945, 0.2671,
0.3042

56.1409, 0.2267,
0.2729

82.5914, 0.2823,
0.3133

51.2135, 0.2163,
0.2616

91.0647, 0.2978,
0.3217

46.8763, 0.2077,
0.2502

99.9981, 0.3127,
0.3290

■ 43.0752, 0.2013,
0.2388

■ 39.7268, 0.1966,
0.2277

■ 39.6044, 0.1965,
0.2273

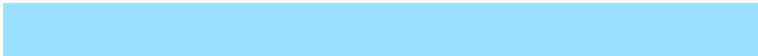
Harmonies

Analogous

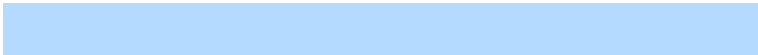
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9405, 0.2584, 0.3207



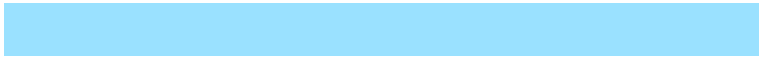
67.9405, 0.2525, 0.2943



67.9405, 0.2615, 0.2789

Triad

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



67.9405, 0.2525, 0.2943



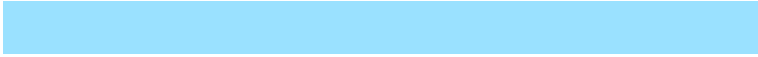
67.9405, 0.3469, 0.3071



67.9405, 0.3399, 0.3866

Complementary

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



67.9405, 0.2525, 0.2943



57.8294, 0.4003, 0.3607

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.



67.9405, 0.3654, 0.3792



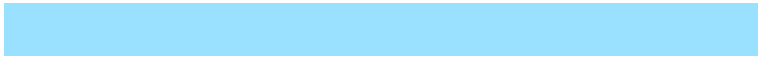
67.9405, 0.2525, 0.2943



67.9405, 0.3700, 0.3329

Square

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



67.9405, 0.2525, 0.2943



67.9405, 0.3149, 0.2871



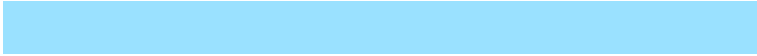
67.9405, 0.3768, 0.3590



67.9405, 0.3079, 0.3767

Rectangle

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



67.9405, 0.2525, 0.2943



67.9405, 0.2751, 0.2760



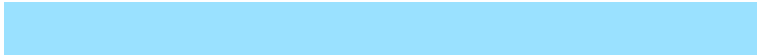
67.9405, 0.3768, 0.3590



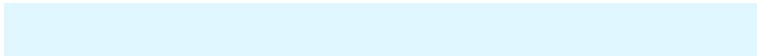
67.9405, 0.3495, 0.3859

Sweetspot

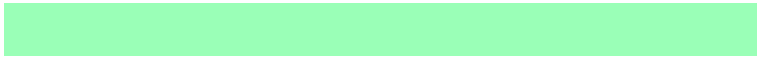
The Sweet Spot groups the original color and five complimentary colors.



67.9431, 0.2525, 0.2943



88.9979, 0.2941, 0.3198



81.7682, 0.2928, 0.4158



18.8079, 0.2920, 0.3187



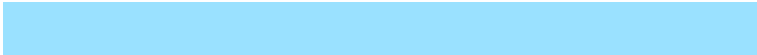
0.0000, 0.0000, 0.0000



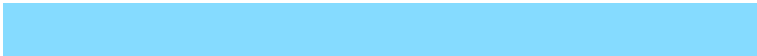
21.4041, 0.3127, 0.3290

Same Dimension

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



67.9431, 0.2525, 0.2943



62.6831, 0.2411, 0.2856



45.0725, 0.2431, 0.2338



19.5183, 0.2980, 0.3218



20.9721, 0.1970, 0.2291



2.2324, 0.2005, 0.2419

Inverse Universe

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



49.7881, 0.3430, 0.2573



43.0247, 0.3517, 0.2428



81.9114, 0.3802, 0.4086



18.2032, 0.3184, 0.3124



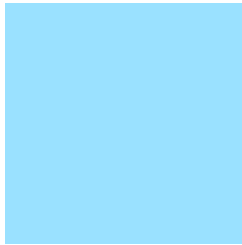
12.8451, 0.4136, 0.2052



1.2699, 0.4004, 0.1979

Previews

White Background



This preview shows how the Yxy color 67.9405, 0.2525, 0.2943 looks on a white background.

Color Contrast Check

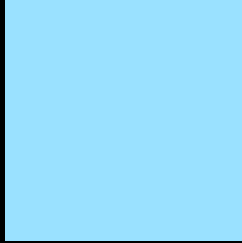
Large Text (above 18pt) WCAG AA × Fail

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 67.9405, 0.2525, 0.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

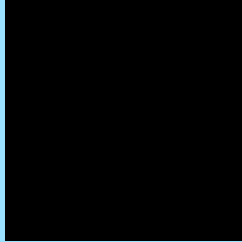
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9405, 0.2525, 0.2943

Background



This preview shows how black text looks on a background with the Yxy color 67.9405, 0.2525, 0.2943.

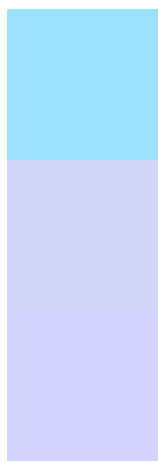


This preview shows how white text looks on a background with the Yxy color 67.9405, 0.2525, 0.2943.

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

67.9405, 0.2525, 0.2943

Protanopia

67.2123, 0.2872, 0.2909

Deuteranopia

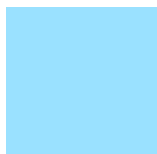
67.4593, 0.2856, 0.2811



Tritanopia

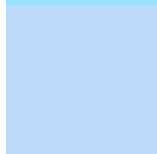
68.1101, 0.2562, 0.3077

Trichromacy



Original Color

67.9405, 0.2525, 0.2943



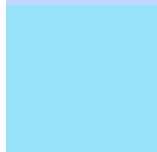
Protanomaly

67.2192, 0.2729, 0.2921



Deuteranomaly

67.0273, 0.2724, 0.2849



Tritanomaly

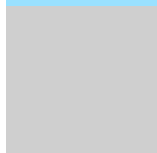
67.9077, 0.2546, 0.3020

Monochromacy



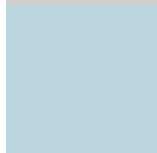
Original Color

67.9405, 0.2525, 0.2943



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.1663, 0.2880, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9405, 0.2525, 0.2943 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(154, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 225, 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(154, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.9405, 0.2525, 0.2943 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(154, 225, 255) }
```

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

```
.border{ border-color:rgb(154, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9405, 0.2525, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 225, 255) }
```

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

```
.background{ background-color: rgb(154,  
225, 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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