

Converting Colors

$Yxy(67.8649, 0.2532, 0.2956)$

Have a look what the booklet for
Yxy(67.8649, 0.2532, 0.2956)
contains.

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Color

Yxy(67.8762, 0.2530, 0.2953)

Conversions

Conversions Part 1

Format	Color
Hex	9AE1FE
RGB	154, 225, 254
RGB Percent	60%, 88%, 100%
CMY	0.3958, 0.1177, 0.0038
CMYK	0.39, 0.11, 0.00, 0.00
HSL	197°, 98%, 80%
HSV	197°, 39%, 100%
XYZ	58.1533, 67.8762, 103.8255
YIQ	207.0770, -51.6250, -6.0330

Conversions

Conversions Part 2

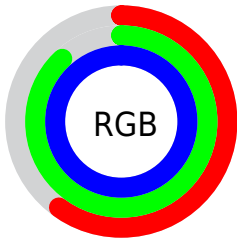
Format	Color
RYB	154, 196, 254
Decimal	10150398
CIELab	85.94, -14.94, -21.09
CIELCh	86, 25.846, 234.676
Yxy	67.8762, 0.2530, 0.2953
Android (android.graphics.Color)	4288340478 (0xFF9AE1FE)
YUV	207.0770, 23.1330, -46.5485
Hunter-Lab	82.3870, -18.1821, -17.0474

Details

The Yxy color **67.8762, 0.2530, 0.2953** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.3224, 0.3997, 0.3598**, and the grayscale version is **62.3329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **35.3773, 0.2398, 0.2877** is the 20% darker color. If you saturate the color by 10%, you get **61.7390, 0.2395, 0.2851**, and if you desaturate by 10%, it is **74.7186, 0.2675, 0.3049**.

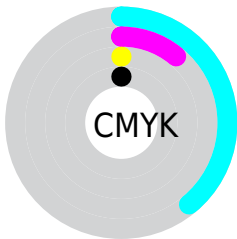
Distribution



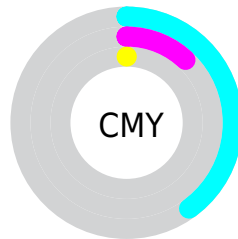
- Red (60%)
- Green (88%)
- Blue (100%)



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



- Cyan (39%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8762, 0.2530, 0.2953 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 67.8762, 0.2530, 0.2953 by changing the saturation by 10% instead.

67.8762, 0.2530,
0.2953

67.8762, 0.2530,
0.2953

453.0573, 0.2803,
0.3115

49.7970, 0.2469,
0.2915

116.1750, 0.2624,
0.3010

35.2521, 0.2394,
0.2867

147.1635, 0.2661,
0.3032

23.8572, 0.2300,
0.2806

183.2238, 0.2692,
0.3051

15.2277, 0.2179,
0.2725

224.7403, 0.2720,
0.3067

8.9794, 0.2019,
0.2614

272.0976, 0.2745,
0.3081

4.7277, 0.1798,
0.2451

325.6799, 0.2766,

2.0884, 0.1479,

0.3094

0.2196

385.8717, 0.2786,
0.3105

0.6581, 0.0704,
0.1777

0.0000, 0.0000,
0.0000

67.8762, 0.2530,
0.2953

67.8762, 0.2530,
0.2953

61.7390, 0.2395,
0.2851

74.7186, 0.2675,
0.3049

56.2635, 0.2273,
0.2744

82.2909, 0.2827,
0.3139

51.4125, 0.2169,
0.2633

90.6263, 0.2982,
0.3221

47.1413, 0.2084,
0.2522

99.6242, 0.3133,
0.3295

■ 43.3966, 0.2019,
0.2411

99.9376, 0.3133,
0.3299

■ 40.0987, 0.1974,
0.2302

■ 39.8940, 0.1971,
0.2295

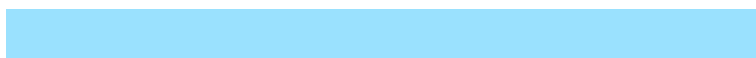
Harmonies

Analogous

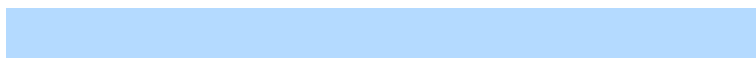
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8762, 0.2594, 0.3218



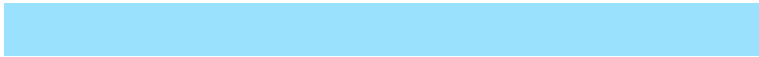
67.8762, 0.2530, 0.2953



67.8762, 0.2615, 0.2797

Triad

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



67.8762, 0.2530, 0.2953



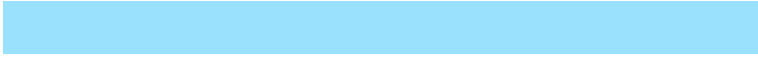
67.8762, 0.3457, 0.3066



67.8762, 0.3406, 0.3861

Complementary

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



67.8762, 0.2530, 0.2953



57.3224, 0.3997, 0.3598

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.



67.8762, 0.3655, 0.3783



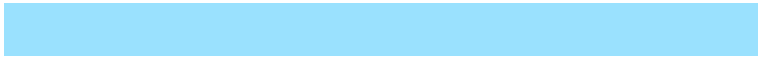
67.8762, 0.2530, 0.2953



67.8762, 0.3690, 0.3321

Square

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



67.8762, 0.2530, 0.2953



67.8762, 0.3139, 0.2870



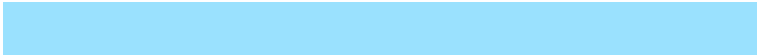
67.8762, 0.3762, 0.3581



67.8762, 0.3090, 0.3768

Rectangle

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



67.8762, 0.2530, 0.2953



67.8762, 0.2748, 0.2765



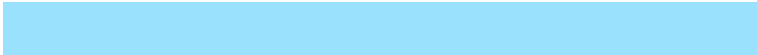
67.8762, 0.3762, 0.3581



67.8762, 0.3500, 0.3852

Sweetspot

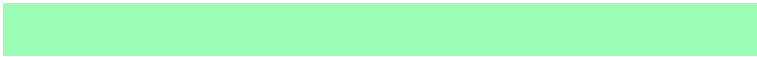
The Sweet Spot groups the original color and five complimentary colors.



67.8788, 0.2530, 0.2953



89.1101, 0.2941, 0.3200



81.1721, 0.2929, 0.4151



18.8344, 0.2921, 0.3189



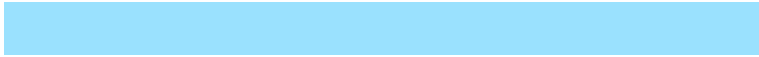
0.0000, 0.0000, 0.0000



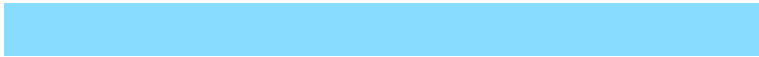
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8788, 0.2530, 0.2953



63.6658, 0.2425, 0.2875



44.9771, 0.2436, 0.2346



19.5375, 0.2980, 0.3219



21.2940, 0.1976, 0.2313



2.2617, 0.2011, 0.2438

Inverse Universe

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



49.6451, 0.3422, 0.2572



43.8068, 0.3499, 0.2438



81.3336, 0.3797, 0.4080



18.2051, 0.3183, 0.3123



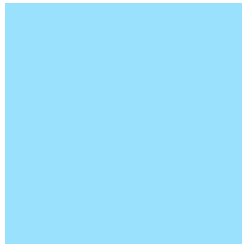
12.8776, 0.4113, 0.2039



1.2729, 0.3985, 0.1969

Previews

White Background



This preview shows how the Yxy color 67.8762, 0.2530, 0.2953 looks on a white background.

Color Contrast Check

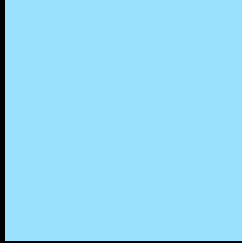
Large Text (above 18pt) WCAG AA × Fail

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 67.8762, 0.2530, 0.2953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

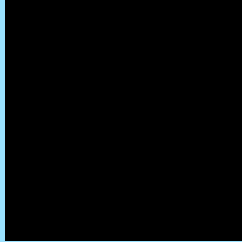
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8762, 0.2530, 0.2953

Background



This preview shows how black text looks on a background with the Yxy color 67.8762, 0.2530, 0.2953.

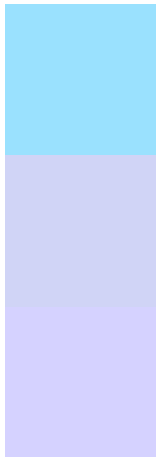


This preview shows how white text looks on a background with the Yxy color 67.8762, 0.2530, 0.2953.

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

67.8762, 0.2530, 0.2953

Protanopia

67.1507, 0.2878, 0.2920

Deuteranopia

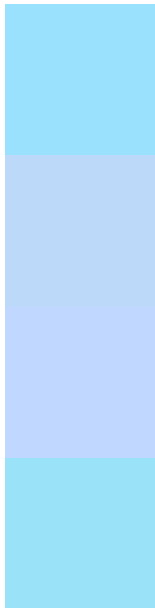
67.4593, 0.2856, 0.2811



Tritanopia

68.2061, 0.2567, 0.3077

Trichromacy



Original Color

67.8762, 0.2530, 0.2953

Protanomaly

67.1566, 0.2735, 0.2931

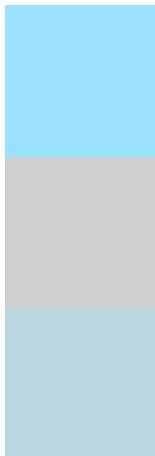
Deuteranomaly

67.0273, 0.2724, 0.2849

Tritanomaly

67.9423, 0.2556, 0.3031

Monochromacy



Original Color

67.8762, 0.2530, 0.2953

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 67.8762, 0.2530, 0.2953 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(154, 225, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 225, 254) }
```

Border

The CSS property to change the border of an element to Yxy 67.8762, 0.2530, 0.2953 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, 254) }
```

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

```
.border{ border-color:rgb(154, 225, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 225, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 225, 254);  
box-shadow:4px 4px 4px 4px rgb(154, 225,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8762, 0.2530, 0.2953 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, 254) }
```

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

```
.background{ background-color: rgb(154,  
225, 254) }
```

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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