

Converting Colors

$Yxy(70.9326, 0.2566, 0.2996)$

Have a look what the booklet for
Yxy(70.9326, 0.2566, 0.2996)
contains.

Yxy(70.8357, 0.2567, 0.2993)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.8357, 0.2567, 0.2993)

Conversions

Conversions Part 1

Format	Color
Hex	A1E5FF
RGB	161, 229, 255
RGB Percent	63%, 90%, 100%
CMY	0.3690, 0.1019, 0.0000
CMYK	0.37, 0.10, 0.00, 0.00
HSL	197°, 100%, 82%
HSV	197°, 37%, 100%
XYZ	60.7535, 70.8357, 105.0820
YIQ	211.6320, -48.8740, -6.3300

Conversions

Conversions Part 2

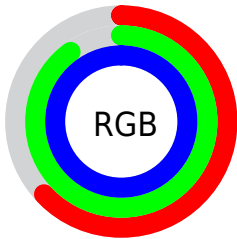
Format	Color
RYB	161, 200, 255
Decimal	10610175
CIELab	87.41, -15.01, -19.36
CIELCh	87, 24.495, 232.222
Yxy	70.8357, 0.2567, 0.2993
Android (android.graphics.Color)	4288800255 (0xFFA1E5FF)
YUV	211.6320, 21.3804, -44.4043
Hunter-Lab	84.1639, -18.4372, -15.1112

Details

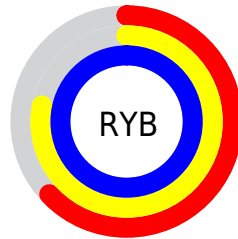
The Yxy color **70.8357, 0.2567, 0.2993** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.3227, 0.3931, 0.3565**, and the grayscale version is **65.4503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **36.9676, 0.2441, 0.2914** is the 20% darker color. If you saturate the color by 10%, you get **64.6373, 0.2431, 0.2897**, and if you desaturate by 10%, it is **77.7370, 0.2713, 0.3083**.

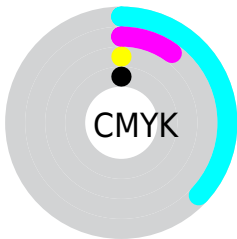
Distribution



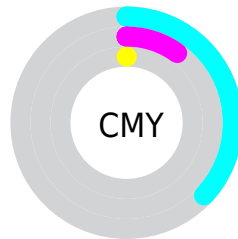
- Red (63%)
- Green (90%)
- Blue (100%)



- Red (63%)
- Yellow (78%)
- Blue (100%)



- Cyan (37%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8357, 0.2567, 0.2993 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 70.8357, 0.2567, 0.2993 by changing the saturation by 10% instead.


 70.8357, 0.2567,
0.2993


 70.8357, 0.2567,
0.2993


463.4789, 0.2822,
0.3135

 52.2081, 0.2510,
0.2960


 120.3998, 0.2654,
0.3043

 37.1710, 0.2441,
0.2918


 152.1050, 0.2689,
0.3062

 25.3399, 0.2354,
0.2865


188.9383, 0.2718,
0.3079

 16.3305, 0.2242,
0.2795

231.2840, 0.2744,
0.3093

 9.7583, 0.2095,
0.2698

279.5265, 0.2767,
0.3106

 5.2390, 0.1891,
0.2557

334.0502, 0.2787,

 2.3882, 0.1596,

0.3117

0.2336

395.2396, 0.2805,
0.3126

■ 0.8198, 0.1000,
0.1985

■ 0.0000, 0.0000,
0.0000

■ 70.8357, 0.2567,
0.2993

■ 70.8357, 0.2567,
0.2993

■ 64.6373, 0.2431,
0.2897

■ 77.7370, 0.2713,
0.3083

■ 59.0997, 0.2307,
0.2797

■ 85.3660, 0.2865,
0.3166

■ 54.1867, 0.2201,
0.2693

■ 93.7550, 0.3020,
0.3242

■ 49.8548, 0.2113,
0.2588

100.0000, 0.3127,
0.3290

■ 46.0532, 0.2045,
0.2483

■ 42.7178, 0.1998,
0.2379

■ 41.7487, 0.1985,
0.2347

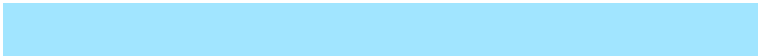
Harmonies

Analogous

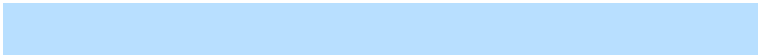
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.8357, 0.2638, 0.3247



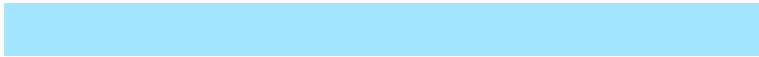
70.8357, 0.2567, 0.2993



70.8357, 0.2636, 0.2836

Triad

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



70.8357, 0.2567, 0.2993



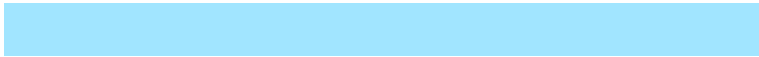
70.8357, 0.3413, 0.3063



70.8357, 0.3411, 0.3822

Complementary

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



70.8357, 0.2567, 0.2993



59.3227, 0.3931, 0.3565

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.



70.8357, 0.3635, 0.3740



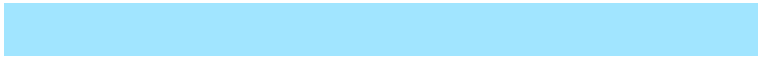
70.8357, 0.2567, 0.2993



70.8357, 0.3639, 0.3299

Square

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



70.8357, 0.2567, 0.2993



70.8357, 0.3114, 0.2884



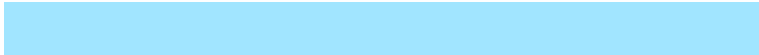
70.8357, 0.3721, 0.3545



70.8357, 0.3118, 0.3748

Rectangle

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



70.8357, 0.2567, 0.2993



70.8357, 0.2754, 0.2799



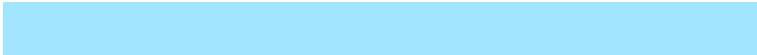
70.8357, 0.3721, 0.3545



70.8357, 0.3497, 0.3811

Sweetspot

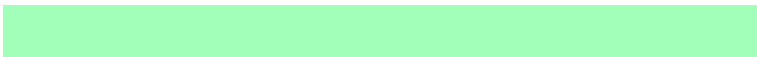
The Sweet Spot groups the original color and five complimentary colors.



70.8381, 0.2567, 0.2993



90.2206, 0.2956, 0.3212



82.6327, 0.2947, 0.4107



19.0670, 0.2935, 0.3201



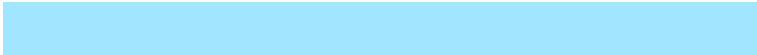
0.0000, 0.0000, 0.0000



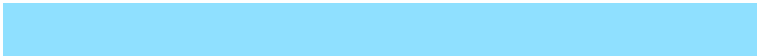
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8381, 0.2567, 0.2993



66.3649, 0.2469, 0.2926



48.5981, 0.2487, 0.2435



19.5835, 0.2980, 0.3223



22.0779, 0.1990, 0.2364



2.3330, 0.2023, 0.2483

Inverse Universe

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



52.3761, 0.3386, 0.2604



46.2279, 0.3453, 0.2475



82.1335, 0.3758, 0.4018



18.2098, 0.3181, 0.3119



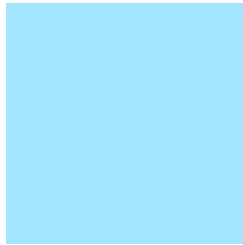
12.9567, 0.4060, 0.2010



1.2801, 0.3940, 0.1944

Previews

White Background



This preview shows how the Yxy color 70.8357, 0.2567, 0.2993 looks on a white background.

Color Contrast Check

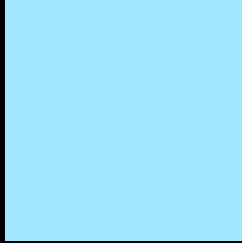
Large Text (above 18pt) WCAG AA × Fail

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 70.8357, 0.2567, 0.2993 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 70.8357, 0.2567, 0.2993

Background



This preview shows how black text looks on a background with the Yxy color 70.8357, 0.2567, 0.2993.

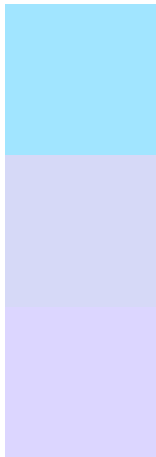


This preview shows how white text looks on a background with the Yxy color 70.8357, 0.2567, 0.2993.

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

70.8357, 0.2567, 0.2993

Protanopia

70.6373, 0.2914, 0.2969

Deuteranopia

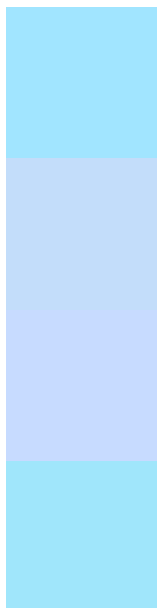
70.5288, 0.2904, 0.2860



Tritanopia

70.8041, 0.2588, 0.3070

Trichromacy



Original Color

70.8357, 0.2567, 0.2993

Protanomaly

70.2171, 0.2776, 0.2971

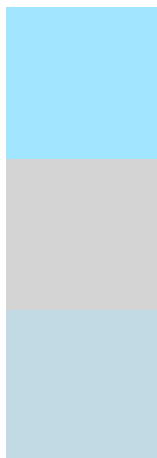
Deuteranomaly

70.0251, 0.2771, 0.2899

Tritanomaly

71.0322, 0.2583, 0.3048

Monochromacy



Original Color

70.8357, 0.2567, 0.2993

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.0817, 0.2890, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8357, 0.2567, 0.2993 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(161, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 229, 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(161, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.8357, 0.2567, 0.2993 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(161, 229, 255) }
```

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

```
.border{ border-color:rgb(161, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8357, 0.2567, 0.2993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 229, 255) }
```

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

```
.background{ background-color: rgb(161,  
229, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor