

Converting Colors

$Y_{xy}(77.0130, 0.2280, 0.2198)$

Have a look what the booklet for
Yxy(77.0130, 0.2280, 0.2198)
contains.

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Color

Yxy(70.4175, 0.2647, 0.2954)

Conversions

Conversions Part 1

Format	Color
Hex	B1E1FF
RGB	177, 225, 255
RGB Percent	69%, 88%, 100%
CMY	0.3060, 0.1176, 0.0000
CMYK	0.31, 0.12, 0.00, 0.00
HSL	203°, 100%, 85%
HSV	203°, 31%, 100%
XYZ	63.0992, 70.4175, 104.8634
YIQ	214.0680, -38.2380, -0.8460

Conversions

Conversions Part 2

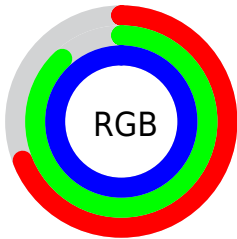
Format	Color
RYB	177, 207, 255
Decimal	11657727
CIELab	87.20, -8.65, -19.57
CIELCh	87, 21.402, 246.151
Yxy	70.4175, 0.2647, 0.2954
Android (android.graphics.Color)	4289847807 (0xFFB1E1FF)
YUV	214.0680, 20.1795, -32.5086
Hunter-Lab	83.9151, -12.6300, -15.3504

Details

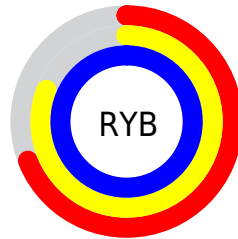
The Yxy color **70.4175, 0.2647, 0.2954** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.0300, 0.3729, 0.3602**, and the grayscale version is **67.1716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **36.9642, 0.2538, 0.2879** is the 20% darker color. If you saturate the color by 10%, you get **62.5548, 0.2494, 0.2823**, and if you desaturate by 10%, it is **79.1491, 0.2804, 0.3075**.

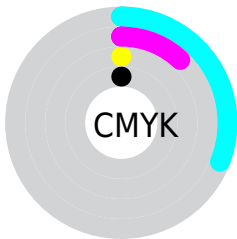
Distribution



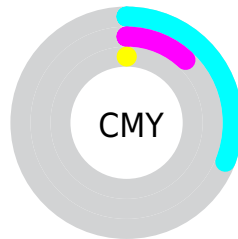
- Red (69%)
- Green (88%)
- Blue (100%)



- Red (69%)
- Yellow (81%)
- Blue (100%)



- Cyan (31%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4175, 0.2647, 0.2954 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 70.4175, 0.2647, 0.2954 by changing the saturation by 10% instead.

■ 70.4175, 0.2647,
0.2954

■ 70.4175, 0.2647,
0.2954

462.0146, 0.2867,
0.3112

■ 51.8670, 0.2598,
0.2918

■ 119.8039, 0.2723,
0.3009

■ 36.8991, 0.2537,
0.2872

151.4087, 0.2752,
0.3030

■ 25.1293, 0.2461,
0.2815

188.1335, 0.2778,
0.3049

■ 16.1734, 0.2364,
0.2740

230.3630, 0.2800,
0.3065

■ 9.6470, 0.2233,
0.2637

278.4815, 0.2820,
0.3079

■ 5.1655, 0.2052,
0.2490

332.8733, 0.2837,

■ 2.3447, 0.1784,

0.3091

0.2263

393.9228, 0.2853,
0.3102

■ 0.7972, 0.1294,
0.1888

■ 0.0000, 0.0000,
0.0000

■ 70.4175, 0.2647,
0.2954

■ 70.4175, 0.2647,
0.2954

■ 62.5548, 0.2494,
0.2823

■ 79.1491, 0.2804,
0.3075

■ 55.5163, 0.2349,
0.2684

■ 88.7750, 0.2962,
0.3185

■ 49.2654, 0.2216,
0.2538

■ 99.3296, 0.3118,
0.3284

■ 43.7585, 0.2099,
0.2388

■ 99.9993, 0.3127,
0.3290

■ 38.9461, 0.2003,
0.2237

■ 34.7700, 0.1928,
0.2088

■ 31.3401, 0.1876,
0.1953

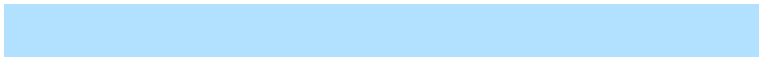
Harmonies

Analogous

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



70.4175, 0.2653, 0.3143



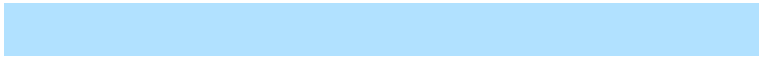
70.4175, 0.2647, 0.2954



70.4175, 0.2763, 0.2863

Triad

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



70.4175, 0.2647, 0.2954



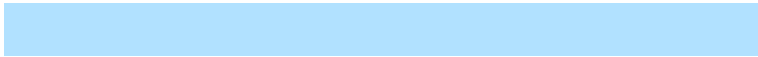
70.4175, 0.3482, 0.3184



70.4175, 0.3261, 0.3741

Complementary

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



70.4175, 0.2647, 0.2954



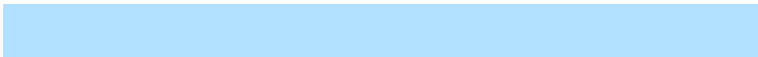
69.0300, 0.3729, 0.3602

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.



70.4175, 0.3493, 0.3733



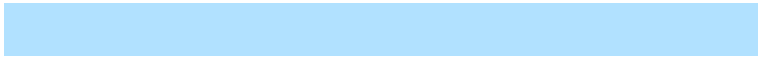
70.4175, 0.2647, 0.2954



70.4175, 0.3626, 0.3403

Square

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



70.4175, 0.2647, 0.2954



70.4175, 0.3241, 0.2997



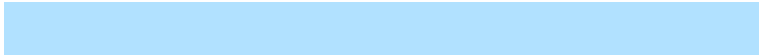
70.4175, 0.3629, 0.3604



70.4175, 0.3000, 0.3613

Rectangle

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



70.4175, 0.2647, 0.2954



70.4175, 0.2898, 0.2863



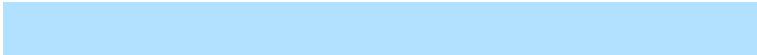
70.4175, 0.3629, 0.3604



70.4175, 0.3345, 0.3754

Sweetspot

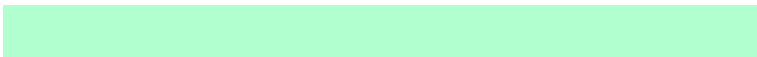
The Sweet Spot groups the original color and five complimentary colors.



70.4203, 0.2647, 0.2954



90.4067, 0.2987, 0.3202



85.3554, 0.2927, 0.3837



19.0341, 0.2965, 0.3187



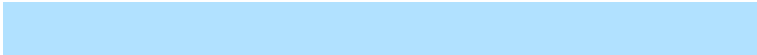
0.0000, 0.0000, 0.0000



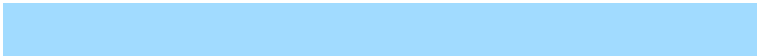
21.4041, 0.3127, 0.3290

Same Dimension

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



70.4203, 0.2647, 0.2954



65.2934, 0.2548, 0.2871



51.7107, 0.2594, 0.2496



19.2405, 0.2979, 0.3196



16.6754, 0.1882, 0.1976



1.8353, 0.1928, 0.2142

Inverse Universe

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



58.1269, 0.3401, 0.2802



51.7289, 0.3478, 0.2698



90.2736, 0.3616, 0.3976



18.1751, 0.3197, 0.3145



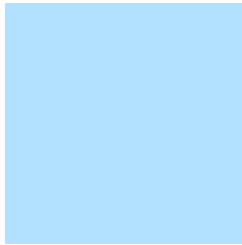
12.4114, 0.4480, 0.2241



1.2298, 0.4295, 0.2140

Previews

White Background



This preview shows how the Yxy color 70.4175, 0.2647, 0.2954 looks on a white background.

Color Contrast Check

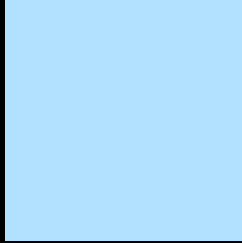
Large Text (above 18pt) WCAG AA × Fail

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 70.4175, 0.2647, 0.2954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

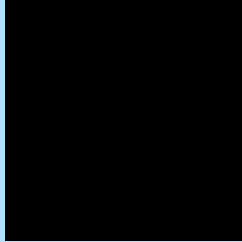
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

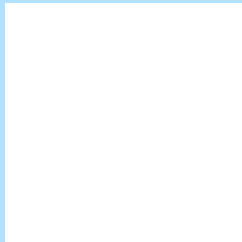
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4175, 0.2647, 0.2954

Background



This preview shows how black text looks on a background with the Yxy color 70.4175, 0.2647, 0.2954.



This preview shows how white text looks on a background with the Yxy color 70.4175, 0.2647, 0.2954.

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

70.4175, 0.2647, 0.2954

Protanopia

69.9483, 0.2888, 0.2936

Deuteranopia

70.0241, 0.2904, 0.2849



Tritanopia

70.6447, 0.2691, 0.3084

Trichromacy



Original Color

70.4175, 0.2647, 0.2954

Protanomaly

69.7702, 0.2794, 0.2940

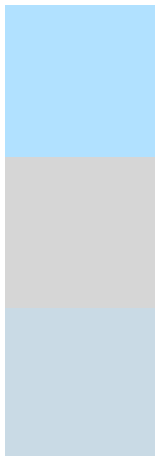
Deuteranomaly

69.6831, 0.2801, 0.2880

Tritanomaly

70.4624, 0.2674, 0.3029

Monochromacy



Original Color

70.4175, 0.2647, 0.2954

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.2175, 0.2938, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4175, 0.2647, 0.2954 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(177, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.4175, 0.2647, 0.2954 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(177, 225, 255) }
```

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

```
.border{ border-color:rgb(177, 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(177, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 225,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.4175, 0.2647, 0.2954$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 225, 255) }
```

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

```
.background{ background-color: rgb(177,  
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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