

Converting Colors

Yxy(70.4714, 0.2637, 0.2959)

Have a look what the booklet for
Yxy(70.4714, 0.2637, 0.2959)
contains.

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Color

Yxy(70.7267, 0.2637, 0.2964)

Conversions

Conversions Part 1

Format	Color
Hex	AFE2FF
RGB	175, 226, 255
RGB Percent	69%, 89%, 100%
CMY	0.3138, 0.1137, 0.0000
CMYK	0.31, 0.11, 0.00, 0.00
HSL	202°, 100%, 84%
HSV	202°, 31%, 100%
XYZ	62.9239, 70.7267, 104.9685
YIQ	214.0570, -39.7050, -1.7930

Conversions

Conversions Part 2

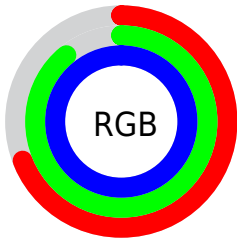
Format	Color
R_{YB}	175, 206, 255
Decimal	11526911
CIE _{Lab}	87.35, -9.71, -19.38
CIE _{LCh}	87, 21.676, 243.393
Yxy	70.7267, 0.2637, 0.2964
Android (android.graphics.Color)	4289716991 (0xFFAFE2FF)
YUV	214.0570, 20.1849, -34.2530
Hunter-Lab	84.0992, -13.6180, -15.1335

Details

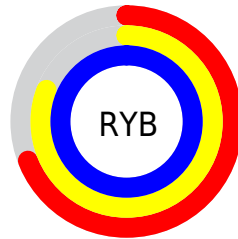
The Yxy color **70.7267, 0.2637, 0.2964** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.5216, 0.3754, 0.3593**, and the grayscale version is **67.1634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **37.1961, 0.2528, 0.2893** is the 20% darker color. If you saturate the color by 10%, you get **63.1611, 0.2487, 0.2841**, and if you desaturate by 10%, it is **79.1216, 0.2793, 0.3079**.

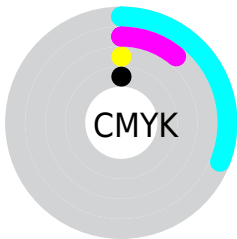
Distribution



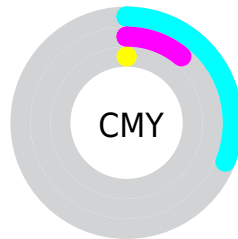
- Red (69%)
- Green (89%)
- Blue (100%)



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



- Cyan (31%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7267, 0.2637, 0.2964 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 70.7267, 0.2637, 0.2964 by changing the saturation by 10% instead.


 70.7267, 0.2637,
0.2964

 70.7267, 0.2637,
0.2964

463.0975, 0.2861,
0.3118

 52.1192, 0.2587,
0.2928


 120.2445, 0.2714,
0.3018

 37.1001, 0.2525,
0.2884


151.9236, 0.2744,
0.3038

 25.2850, 0.2448,
0.2828


188.7286, 0.2770,
0.3056

 16.2895, 0.2349,
0.2755

231.0441, 0.2793,
0.3072

 9.7293, 0.2217,
0.2654

279.2543, 0.2813,
0.3085

 5.2198, 0.2033,
0.2510

333.7437, 0.2831,

 2.3768, 0.1762,

0.3097

0.2287

394.8966, 0.2847,
0.3108

0.8139, 0.1266,
0.1920

0.0000, 0.0000,
0.0000

70.7267, 0.2637,
0.2964

70.7267, 0.2637,
0.2964

63.1611, 0.2487,
0.2841

79.1216, 0.2793,
0.3079

56.3869, 0.2345,
0.2710

88.3765, 0.2950,
0.3183

50.3658, 0.2216,
0.2572

98.5234, 0.3106,
0.3278

45.0549, 0.2105,
0.2431

100.0000, 0.3127,
0.3290

■ 40.4050, 0.2013,
0.2290

■ 36.3581, 0.1943,
0.2150

■ 33.2805, 0.1898,
0.2032

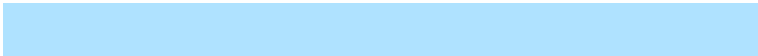
Harmonies

Analogous

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



70.7267, 0.2654, 0.3163



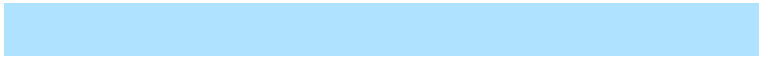
70.7267, 0.2637, 0.2964



70.7267, 0.2744, 0.2862

Triad

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



70.7267, 0.2637, 0.2964



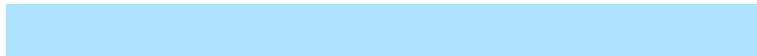
70.7267, 0.3466, 0.3163



70.7267, 0.3287, 0.3751

Complementary

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



70.7267, 0.2637, 0.2964



67.5216, 0.3754, 0.3593

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.



70.7267, 0.3515, 0.3730



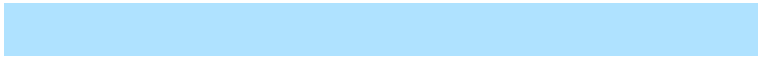
70.7267, 0.2637, 0.2964



70.7267, 0.3624, 0.3383

Square

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



70.7267, 0.2637, 0.2964



70.7267, 0.3217, 0.2979



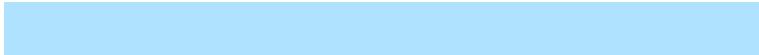
70.7267, 0.3641, 0.3591



70.7267, 0.3022, 0.3634

Rectangle

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



70.7267, 0.2637, 0.2964



70.7267, 0.2874, 0.2855



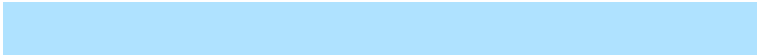
70.7267, 0.3641, 0.3591



70.7267, 0.3370, 0.3760

Sweetspot

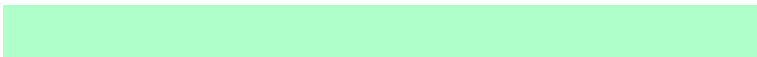
The Sweet Spot groups the original color and five complimentary colors.



70.7275, 0.2637, 0.2964



90.7138, 0.2987, 0.3207



84.9413, 0.2937, 0.3885



19.1099, 0.2965, 0.3192



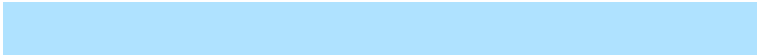
0.0000, 0.0000, 0.0000



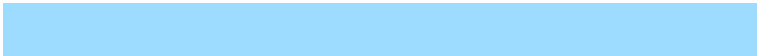
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7275, 0.2637, 0.2964



65.6313, 0.2537, 0.2884



51.8603, 0.2582, 0.2504



19.3097, 0.2980, 0.3202



17.6835, 0.1904, 0.2055



1.9295, 0.1948, 0.2211

Inverse Universe

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



57.3996, 0.3395, 0.2773



50.9097, 0.3471, 0.2662



88.4524, 0.3636, 0.3970



18.1821, 0.3194, 0.3140



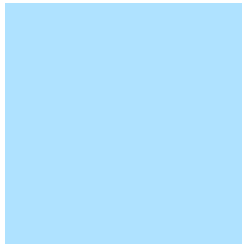
12.5131, 0.4391, 0.2193



1.2393, 0.4220, 0.2098

Previews

White Background



This preview shows how the Yxy color 70.7267, 0.2637, 0.2964 looks on a white background.

Color Contrast Check

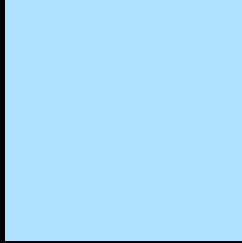
Large Text (above 18pt) WCAG AA × Fail

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 70.7267, 0.2637, 0.2964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

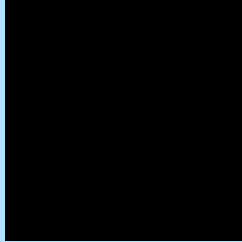
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7267, 0.2637, 0.2964

Background



This preview shows how black text looks on a background with the Yxy color 70.7267, 0.2637, 0.2964.

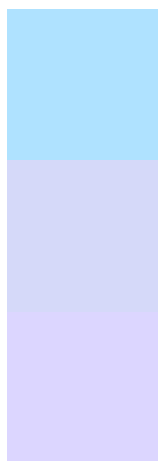


This preview shows how white text looks on a background with the Yxy color 70.7267, 0.2637, 0.2964.

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

70.7267, 0.2637, 0.2964

Protanopia

70.6114, 0.2895, 0.2948

Deuteranopia

70.5288, 0.2904, 0.2860



Tritanopia

71.0249, 0.2675, 0.3084

Trichromacy



Original Color

70.7267, 0.2637, 0.2964

Protanomaly

70.2935, 0.2794, 0.2951

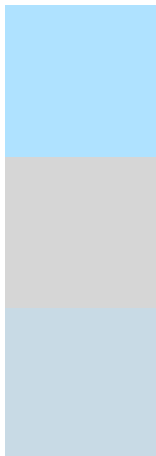
Deuteranomaly

70.2002, 0.2802, 0.2891

Tritanomaly

70.7764, 0.2664, 0.3040

Monochromacy



Original Color

70.7267, 0.2637, 0.2964

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.0793, 0.2931, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7267, 0.2637, 0.2964 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(175, 226, 255)` looks like.

```
.text, #text, p{
  color:rgb(175, 226, 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(175, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.7267, 0.2637, 0.2964 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(175, 226, 255) }
```

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

```
.border{ border-color:rgb(175, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 226, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 226, 255); box-shadow:4px 4px 4px 4px rgb(175, 226, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7267, 0.2637, 0.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 226, 255) }
```

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

```
.background{ background-color: rgb(175,  
226, 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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