

Converting Colors

$Yxy(70.7476, 0.2445, 0.2708)$

Have a look what the booklet for
Yxy(70.7476, 0.2445, 0.2708)
contains.

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Color

Yxy(69.0863, 0.2557, 0.2957)

Conversions

Conversions Part 1

Format	Color
Hex	A0E2FF
RGB	160, 226, 255
RGB Percent	63%, 89%, 100%
CMY	0.3727, 0.1137, 0.0000
CMYK	0.37, 0.11, 0.00, 0.00
HSL	198°, 100%, 81%
HSV	198°, 37%, 100%
XYZ	59.7408, 69.0863, 104.8093
YIQ	209.5720, -48.6450, -4.9730

Conversions

Conversions Part 2

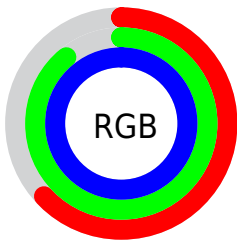
Format	Color
R_{YB}	160, 199, 255
Decimal	10543871
CIE _{Lab}	86.55, -13.71, -20.67
CIE _{LCh}	87, 24.804, 236.439
Yxy	69.0863, 0.2557, 0.2957
Android (android.graphics.Color)	4288733951 (0xFFA0E2FF)
YUV	209.5720, 22.3960, -43.4746
Hunter-Lab	83.1182, -17.1607, -16.5800

Details

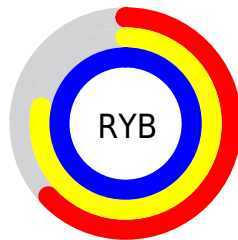
The Yxy color **69.0863, 0.2557, 0.2957** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.1758, 0.3930, 0.3596**, and the grayscale version is **64.0248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **36.1461, 0.2429, 0.2882** is the 20% darker color. If you saturate the color by 10%, you get **62.5886, 0.2418, 0.2851**, and if you desaturate by 10%, it is **76.3178, 0.2705, 0.3057**.

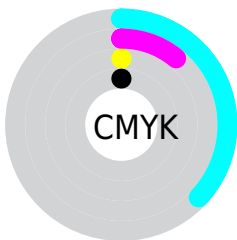
Distribution



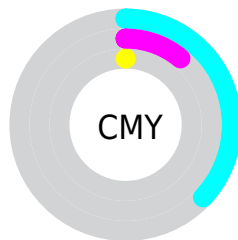
- Red (63%)
- Green (89%)
- Blue (100%)



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



- Cyan (37%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (37%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0863, 0.2557, 0.2957 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 69.0863, 0.2557, 0.2957 by changing the saturation by 10% instead.


 69.0863, 0.2557,
0.2957


 69.0863, 0.2557,
0.2957

457.3353, 0.2817,
0.3116

 50.7820, 0.2499,
0.2920


 117.9048, 0.2646,
0.3013

 36.0351, 0.2427,
0.2873


 149.1878, 0.2681,
0.3034

 24.4613, 0.2338,
0.2814


185.5659, 0.2712,
0.3053

 15.6762, 0.2223,
0.2736

227.4233, 0.2738,
0.3069

 9.2953, 0.2071,
0.2628

275.1446, 0.2762,
0.3083

 4.9343, 0.1861,
0.2472

329.1141, 0.2782,

 2.2088, 0.1556,

0.3095

0.2228

389.7162, 0.2801,
0.3106

0.7248, 0.0896,
0.1834

0.0000, 0.0000,
0.0000

69.0863, 0.2557,
0.2957

69.0863, 0.2557,
0.2957

62.5886, 0.2418,
0.2851

76.3178, 0.2705,
0.3057

56.7846, 0.2291,
0.2738

84.3115, 0.2859,
0.3150

51.6365, 0.2181,
0.2623

93.0995, 0.3014,
0.3234

47.0997, 0.2089,
0.2505

100.0000, 0.3127,
0.3290

■ 43.1223, 0.2019,
0.2388

■ 39.6381, 0.1968,
0.2273

■ 38.7452, 0.1956,
0.2241

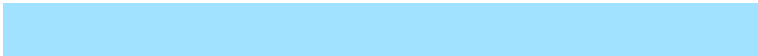
Harmonies

Analogous

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



69.0863, 0.2610, 0.3205



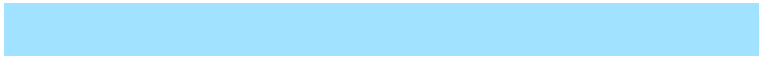
69.0863, 0.2557, 0.2957



69.0863, 0.2647, 0.2814

Triad

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



69.0863, 0.2557, 0.2957



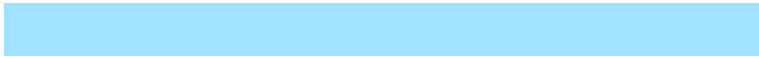
69.0863, 0.3458, 0.3089



69.0863, 0.3377, 0.3833

Complementary

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



69.0863, 0.2557, 0.2957



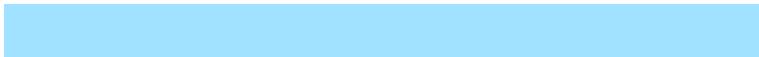
60.1758, 0.3930, 0.3596

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.



69.0863, 0.3620, 0.3769



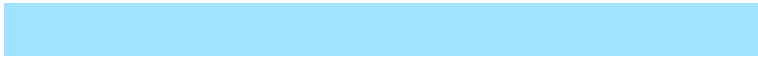
69.0863, 0.2557, 0.2957



69.0863, 0.3672, 0.3335

Square

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



69.0863, 0.2557, 0.2957



69.0863, 0.3158, 0.2896



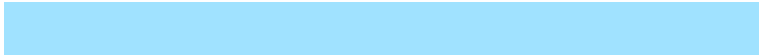
69.0863, 0.3732, 0.3582



69.0863, 0.3074, 0.3734

Rectangle

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



69.0863, 0.2557, 0.2957



69.0863, 0.2778, 0.2788



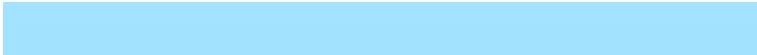
69.0863, 0.3732, 0.3582



69.0863, 0.3469, 0.3829

Sweetspot

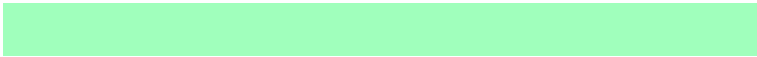
The Sweet Spot groups the original color and five complimentary colors.



69.0877, 0.2557, 0.2957



89.7238, 0.2956, 0.3203



82.6420, 0.2930, 0.4077



18.9482, 0.2935, 0.3192



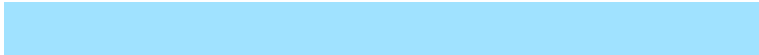
0.0000, 0.0000, 0.0000



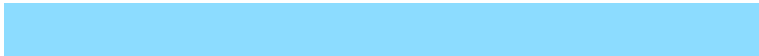
21.4041, 0.3127, 0.3290

Same Dimension

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



69.0877, 0.2557, 0.2957



63.9994, 0.2448, 0.2875



46.9211, 0.2474, 0.2386



19.4911, 0.2980, 0.3216



20.5212, 0.1961, 0.2260



2.1912, 0.1998, 0.2392

Inverse Universe

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



51.8827, 0.3414, 0.2623



45.2562, 0.3495, 0.2488



83.7845, 0.3753, 0.4054



18.2004, 0.3185, 0.3126



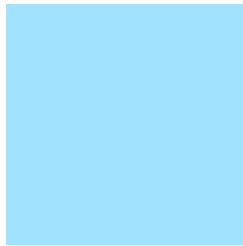
12.7996, 0.4168, 0.2070



1.2657, 0.4031, 0.1994

Previews

White Background



This preview shows how the Yxy color 69.0863, 0.2557, 0.2957 looks on a white background.

Color Contrast Check

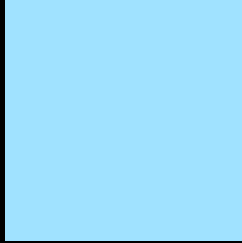
Large Text (above 18pt) WCAG AA × Fail

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 69.0863, 0.2557, 0.2957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

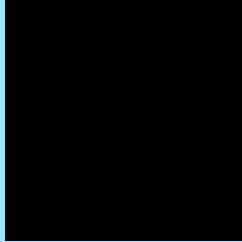
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.0863, 0.2557, 0.2957

Background



This preview shows how black text looks on a background with the Yxy color 69.0863, 0.2557, 0.2957.



This preview shows how white text looks on a background with the Yxy color 69.0863, 0.2557, 0.2957.

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

69.0863, 0.2557, 0.2957

Protanopia

68.5102, 0.2886, 0.2933

Deuteranopia

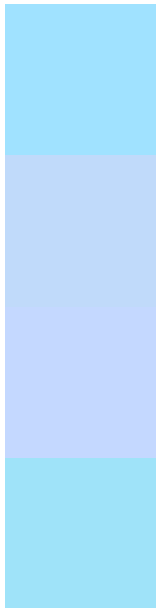
68.4075, 0.2876, 0.2824



Tritanopia

69.4097, 0.2595, 0.3080

Trichromacy



Original Color

69.0863, 0.2557, 0.2957

Protanomaly

68.2514, 0.2755, 0.2935

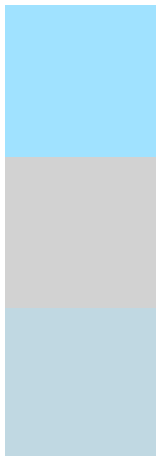
Deuteranomaly

68.0675, 0.2750, 0.2863

Tritanomaly

69.1487, 0.2583, 0.3034

Monochromacy



Original Color

69.0863, 0.2557, 0.2957

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.8092, 0.2895, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0863, 0.2557, 0.2957 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(160, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 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(160, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.0863, 0.2557, 0.2957 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(160, 226, 255) }
```

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

```
.border{ border-color:rgb(160, 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(160, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0863, 0.2557, 0.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 226, 255) }
```

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

```
.background{ background-color: rgb(160,  
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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