

Converting Colors

$Yxy(69.3631, 0.2570, 0.2959)$

Have a look what the booklet for
Yxy(69.3631, 0.2570, 0.2959)
contains.

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Color

Yxy(69.2941, 0.2568, 0.2958)

Conversions

Conversions Part 1

Format	Color
Hex	A2E2FF
RGB	162, 226, 255
RGB Percent	64%, 89%, 100%
CMY	0.3644, 0.1138, 0.0000
CMYK	0.36, 0.11, 0.00, 0.00
HSL	199°, 100%, 82%
HSV	199°, 36%, 100%
XYZ	60.1580, 69.2941, 104.8079
YIQ	210.1700, -47.4530, -4.5490

Conversions

Conversions Part 2

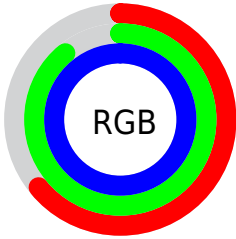
Format	Color
R _Y B	162, 200, 255
Decimal	10674943
CIE Lab	86.65, -13.16, -20.49
CIE LCh	87, 24.353, 237.289
Yxy	69.2941, 0.2568, 0.2958
Android (android.graphics.Color)	4288865023 (0xFFA2E2FF)
YUV	210.1700, 22.1012, -42.2451
Hunter-Lab	83.2431, -16.6773, -16.3794

Details

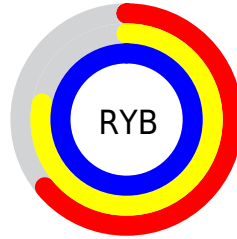
The Yxy color **69.2941, 0.2568, 0.2958** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.1720, 0.3904, 0.3596**, and the grayscale version is **64.4537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **36.2672, 0.2441, 0.2883** is the 20% darker color. If you saturate the color by 10%, you get **62.6606, 0.2427, 0.2849**, and if you desaturate by 10%, it is **76.6755, 0.2717, 0.3060**.

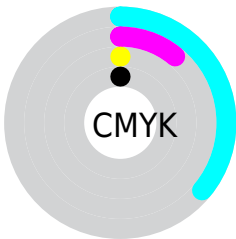
Distribution



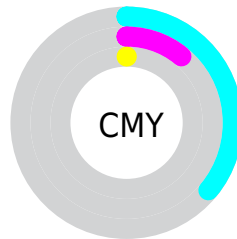
- Red (64%)
- Green (89%)
- Blue (100%)



- Red (64%)
- Yellow (78%)
- Blue (100%)



- Cyan (36%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.2941, 0.2568, 0.2958 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 69.2941, 0.2568, 0.2958 by changing the saturation by 10% instead.


 69.2941, 0.2568,
0.2958

 69.2941, 0.2568,
0.2958

458.0676, 0.2823,
0.3116

 50.9513, 0.2511,
0.2921


 118.2015, 0.2656,
0.3014

 36.1698, 0.2441,
0.2875


 149.5349, 0.2690,
0.3035

 24.5654, 0.2353,
0.2816


185.9673, 0.2720,
0.3053

 15.7535, 0.2241,
0.2738

227.8830, 0.2746,
0.3069

 9.3499, 0.2091,
0.2632

275.6665, 0.2769,
0.3083

 4.9701, 0.1884,
0.2477

329.7022, 0.2789,

 2.2297, 0.1583,

0.3096

0.2237

390.3744, 0.2807,
0.3106

0.7361, 0.0949,
0.1846

0.0000, 0.0000,
0.0000

69.2941, 0.2568,
0.2958

69.2941, 0.2568,
0.2958

62.6606, 0.2427,
0.2849

76.6755, 0.2717,
0.3060

56.7313, 0.2298,
0.2735

84.8296, 0.2872,
0.3154

51.4697, 0.2185,
0.2616

93.7895, 0.3027,
0.3239

46.8316, 0.2091,
0.2496

99.9998, 0.3127,
0.3290

■ 42.7657, 0.2018,
0.2375

■ 39.2084, 0.1965,
0.2257

■ 38.0308, 0.1949,
0.2215

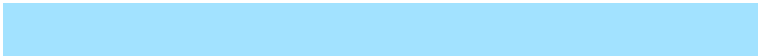
Harmonies

Analogous

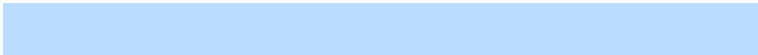
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.2941, 0.2616, 0.3199



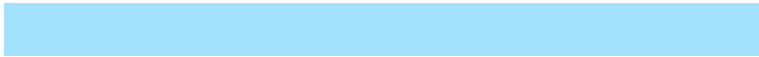
69.2941, 0.2568, 0.2958



69.2941, 0.2660, 0.2821

Triad

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



69.2941, 0.2568, 0.2958



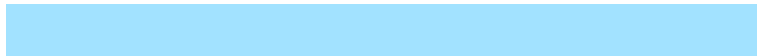
69.2941, 0.3459, 0.3100



69.2941, 0.3364, 0.3822

Complementary

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



69.2941, 0.2568, 0.2958



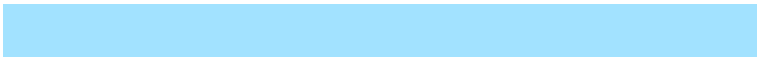
61.1720, 0.3904, 0.3596

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.



69.2941, 0.3606, 0.3764



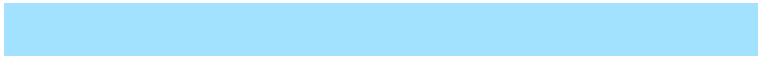
69.2941, 0.2568, 0.2958



69.2941, 0.3666, 0.3342

Square

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



69.2941, 0.2568, 0.2958



69.2941, 0.3166, 0.2908



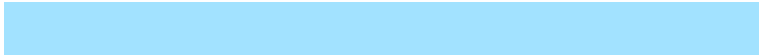
69.2941, 0.3719, 0.3584



69.2941, 0.3067, 0.3720

Rectangle

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



69.2941, 0.2568, 0.2958



69.2941, 0.2791, 0.2797



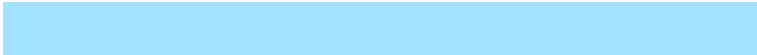
69.2941, 0.3719, 0.3584



69.2941, 0.3455, 0.3819

Sweetspot

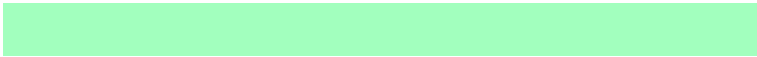
The Sweet Spot groups the original color and five complimentary colors.



69.2968, 0.2568, 0.2958



89.6022, 0.2956, 0.3201



82.9236, 0.2933, 0.4056



18.9191, 0.2935, 0.3190



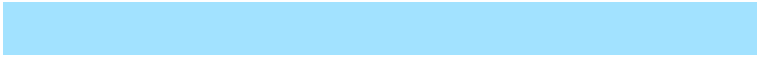
0.0000, 0.0000, 0.0000



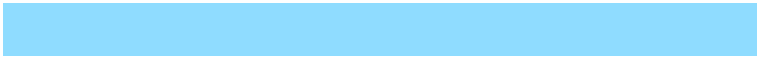
21.4041, 0.3127, 0.3290

Same Dimension

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



69.2968, 0.2568, 0.2958



64.2133, 0.2460, 0.2876



47.8220, 0.2490, 0.2409



19.4684, 0.2980, 0.3214



20.1513, 0.1954, 0.2235



2.1574, 0.1992, 0.2369

Inverse Universe

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



52.6198, 0.3411, 0.2644



46.0107, 0.3491, 0.2512



84.1004, 0.3738, 0.4037



18.1981, 0.3186, 0.3128



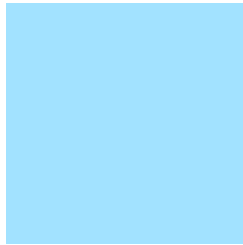
12.7623, 0.4195, 0.2085



1.2623, 0.4054, 0.2007

Previews

White Background



This preview shows how the Yxy color 69.2941, 0.2568, 0.2958 looks on a white background.

Color Contrast Check

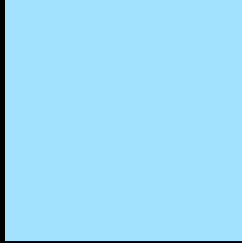
Large Text (above 18pt) WCAG AA × Fail

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 69.2941, 0.2568, 0.2958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

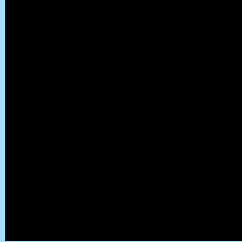
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.2941, 0.2568, 0.2958

Background



This preview shows how black text looks on a background with the Yxy color 69.2941, 0.2568, 0.2958.

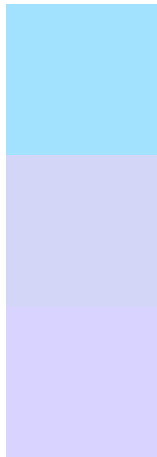


This preview shows how white text looks on a background with the Yxy color 69.2941, 0.2568, 0.2958.

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

69.2941, 0.2568, 0.2958

Protanopia

68.6574, 0.2893, 0.2934

Deuteranopia

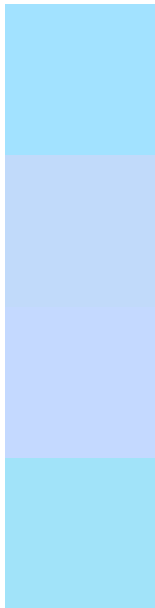
68.9059, 0.2877, 0.2835



Tritanopia

69.6142, 0.2605, 0.3080

Trichromacy



Original Color

69.2941, 0.2568, 0.2958

Protanomaly

68.3824, 0.2761, 0.2935

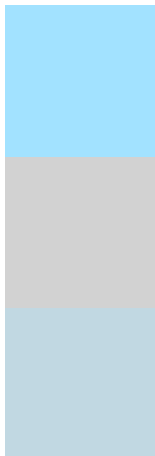
Deuteranomaly

68.5815, 0.2751, 0.2874

Tritanomaly

69.3548, 0.2594, 0.3035

Monochromacy



Original Color

69.2941, 0.2568, 0.2958

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.9402, 0.2902, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.2941, 0.2568, 0.2958 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(162, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 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(162, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.2941, 0.2568, 0.2958 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(162, 226, 255) }
```

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

```
.border{ border-color:rgb(162, 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(162, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.2941, 0.2568, 0.2958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 226, 255) }
```

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

```
.background{ background-color: rgb(162,  
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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