

Converting Colors

$Y_{xy}(75.1693, 0.2522, 0.2968)$

Have a look what the booklet for
Yxy(75.1693, 0.2522, 0.2968)
contains.

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Color

Yxy(74.5818, 0.2569, 0.3074)

Conversions

Conversions Part 1

Format	Color
Hex	9FECFF
RGB	159, 236, 255
RGB Percent	62%, 93%, 100%
CMY	0.3768, 0.0744, 0.0000
CMYK	0.38, 0.07, 0.00, 0.00
HSL	192°, 100%, 81%
HSV	192°, 38%, 100%
XYZ	62.3294, 74.5818, 105.7101
YIQ	215.1430, -51.9910, -10.4150

Conversions

Conversions Part 2

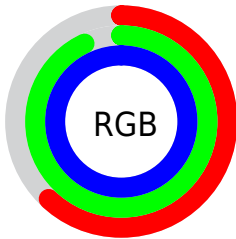
Format	Color
R _Y B	159, 202, 255
Decimal	10480895
CIE Lab	89.20, -19.04, -16.66
CIE LCh	89, 25.300, 221.200
Yxy	74.5818, 0.2569, 0.3074
Android (android.graphics.Color)	4288670975 (0xFF9FECFF)
YUV	215.1430, 19.6495, -49.2374
Hunter-Lab	86.3608, -22.3019, -12.1216

Details

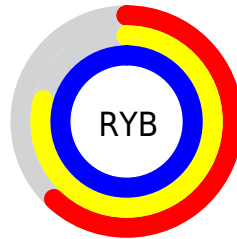
The Yxy color **74.5818, 0.2569, 0.3074** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.5551, 0.3984, 0.3492**, and the grayscale version is **67.9374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **39.6033, 0.2449, 0.3021** is the 20% darker color. If you saturate the color by 10%, you get **69.3838, 0.2442, 0.3007**, and if you desaturate by 10%, it is **80.4049, 0.2708, 0.3138**.

Distribution



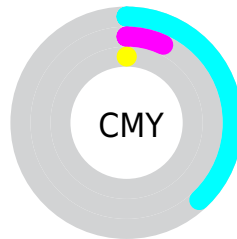
- Red (62%)
- Green (93%)
- Blue (100%)



- Red (62%)
- Yellow (79%)
- Blue (100%)



- Cyan (38%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.5818, 0.2569, 0.3074 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 74.5818, 0.2569, 0.3074 by changing the saturation by 10% instead.


 74.5818, 0.2569,
0.3074


 74.5818, 0.2569,
0.3074


476.4789, 0.2821,
0.3179

 55.2704, 0.2513,
0.3049

 125.7202, 0.2655,
0.3111

 39.6182, 0.2445,
0.3018


 158.3160, 0.2689,
0.3125

 27.2410, 0.2361,
0.2978


196.1086, 0.2718,
0.3137

 17.7543, 0.2253,
0.2925

239.4825, 0.2744,
0.3148

 10.7737, 0.2110,
0.2852

288.8221, 0.2766,
0.3157

 5.9149, 0.1915,
0.2743

344.5118, 0.2786,

 2.7934, 0.1634,

0.3165

0.2570

406.9359, 0.2804,
0.3172

■ 1.0248, 0.1122,
0.2286

■ 0.0000, 0.0000,
0.0000

■ 74.5818, 0.2569,
0.3074

■ 74.5818, 0.2569,
0.3074

■ 69.3838, 0.2442,
0.3007

■ 80.4049, 0.2708,
0.3138

■ 64.7683, 0.2331,
0.2936

■ 86.8755, 0.2855,
0.3197

■ 60.7004, 0.2237,
0.2864

■ 94.0254, 0.3008,
0.3252

■ 57.1373, 0.2162,
0.2791

99.9995, 0.3127,
0.3290

■ 54.0289, 0.2107,
0.2719

■ 51.3088, 0.2071,
0.2647

■ 50.7103, 0.2064,
0.2630

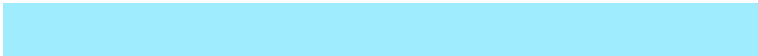
Harmonies

Analogous

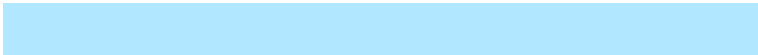
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5818, 0.2692, 0.3353



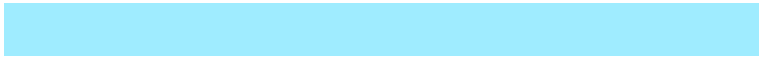
74.5818, 0.2569, 0.3074



74.5818, 0.2587, 0.2874

Triad

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



74.5818, 0.2569, 0.3074



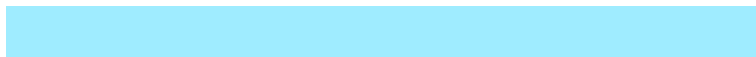
74.5818, 0.3309, 0.2984



74.5818, 0.3511, 0.3817

Complementary

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



74.5818, 0.2569, 0.3074



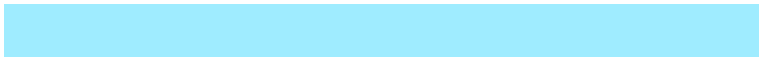
55.5551, 0.3984, 0.3492

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.



74.5818, 0.3694, 0.3684



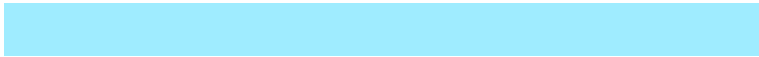
74.5818, 0.2569, 0.3074



74.5818, 0.3577, 0.3207

Square

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



74.5818, 0.2569, 0.3074



74.5818, 0.3002, 0.2834



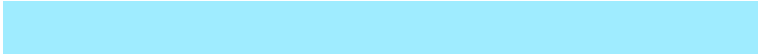
74.5818, 0.3720, 0.3459



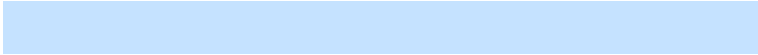
74.5818, 0.3230, 0.3802

Rectangle

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



74.5818, 0.2569, 0.3074



74.5818, 0.2676, 0.2805



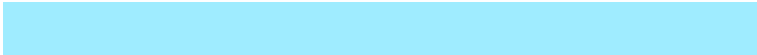
74.5818, 0.3720, 0.3459



74.5818, 0.3586, 0.3786

Sweetspot

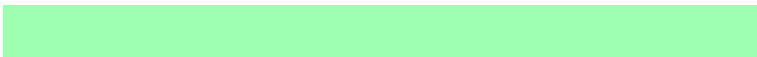
The Sweet Spot groups the original color and five complimentary colors.



74.5847, 0.2569, 0.3074



91.5796, 0.2957, 0.3234



82.0328, 0.2985, 0.4226



19.3923, 0.2936, 0.3227



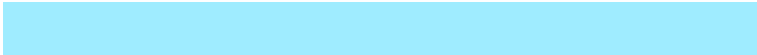
0.0000, 0.0000, 0.0000



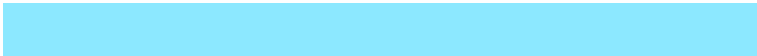
21.4041, 0.3127, 0.3290

Same Dimension

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



74.5847, 0.2569, 0.3074



70.7227, 0.2475, 0.3025



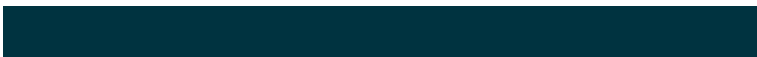
51.1239, 0.2486, 0.2512



19.8361, 0.2980, 0.3242



26.7143, 0.2067, 0.2642



2.7491, 0.2090, 0.2724

Inverse Universe

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



52.0835, 0.3328, 0.2520



45.9349, 0.3378, 0.2377



77.3760, 0.3801, 0.3959



18.2353, 0.3168, 0.3101



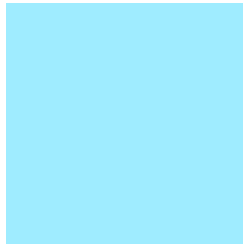
13.4248, 0.3783, 0.1858



1.3221, 0.3705, 0.1815

Previews

White Background



This preview shows how the Yxy color 74.5818, 0.2569, 0.3074 looks on a white background.

Color Contrast Check

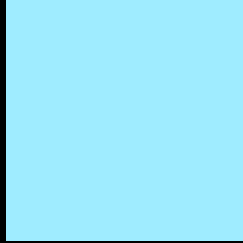
Large Text (above 18pt) WCAG AA × Fail

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 74.5818, 0.2569, 0.3074 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 74.5818, 0.2569, 0.3074

Background



This preview shows how black text looks on a background with the Yxy color 74.5818, 0.2569, 0.3074.

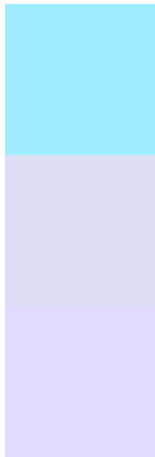


This preview shows how white text looks on a background with the Yxy color 74.5818, 0.2569, 0.3074.

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

74.5818, 0.2569, 0.3074

Protanopia

74.1120, 0.2961, 0.3037

Deuteranopia

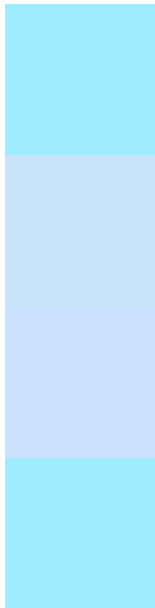
73.6937, 0.2952, 0.2908



Tritanopia

74.5818, 0.2569, 0.3074

Trichromacy



Original Color

74.5818, 0.2569, 0.3074

Protanomaly

73.7835, 0.2805, 0.3050

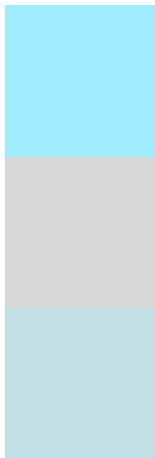
Deuteranomaly

73.6270, 0.2794, 0.2967

Tritanomaly

74.5818, 0.2569, 0.3074

Monochromacy



Original Color

74.5818, 0.2569, 0.3074

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

70.0906, 0.2894, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5818, 0.2569, 0.3074 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(159, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 236, 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(159, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.5818, 0.2569, 0.3074 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(159, 236, 255) }
```

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

```
.border{ border-color:rgb(159, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.5818, 0.2569, 0.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 236, 255) }
```

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

```
.background{ background-color: rgb(159,  
236, 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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