

Converting Colors

$Yxy(75.8331, 0.2469, 0.3139)$

Have a look what the booklet for
Yxy(75.8331, 0.2469, 0.3139)
contains.

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Color

Yxy(75.7926, 0.2469, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	86F2FF
RGB	134, 242, 255
RGB Percent	53%, 95%, 100%
CMY	0.4745, 0.0510, 0.0000
CMYK	0.47, 0.05, 0.00, 0.00
HSL	186°, 100%, 76%
HSV	186°, 47%, 100%
XYZ	59.6341, 75.7926, 106.1048
YIQ	211.1900, -68.5410, -18.8530

Conversions

Conversions Part 2

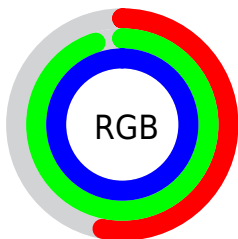
Format	Color
RYB	134, 191, 255
Decimal	8844031
CIELab	89.76, -27.83, -15.93
CIElCh	90, 32.069, 209.793
Yxy	75.7926, 0.2469, 0.3138
Android (android.graphics.Color)	4287034111 (0xFF86F2FF)
YUV	211.1900, 21.5983, -67.6956
Hunter-Lab	87.0589, -30.0832, -11.3196

Details

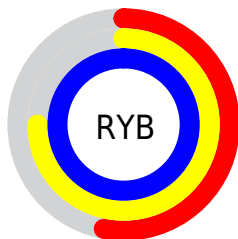
The Yxy color **75.7926, 0.2469, 0.3138** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.8460, 0.4377, 0.3429**, and the grayscale version is **65.1622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **40.5727, 0.2329, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **72.3277, 0.2368, 0.3101**, and if you desaturate by 10%, it is **79.7910, 0.2586, 0.3174**.

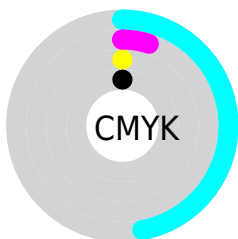
Distribution



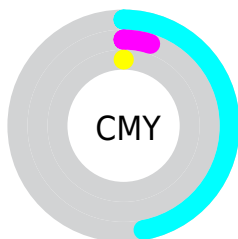
- Red (53%)
- Green (95%)
- Blue (100%)



- Red (53%)
- Yellow (75%)
- Blue (100%)



- Cyan (47%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (47%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7926, 0.2469, 0.3138 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 75.7926, 0.2469, 0.3138 by changing the saturation by 10% instead.


 75.7926, 0.2469,
0.3138


 75.7926, 0.2469,
0.3138


480.6374, 0.2764,
0.3216

 56.2625, 0.2404,
0.3119


 127.4337, 0.2569,
0.3166

 40.4134, 0.2326,
0.3094


 160.3134, 0.2609,
0.3177

 27.8610, 0.2228,
0.3062


198.4118, 0.2643,
0.3186

 18.2209, 0.2104,
0.3019

242.1133, 0.2673,
0.3193

 11.1087, 0.1943,
0.2957

291.8022, 0.2700,
0.3200

 6.1400, 0.1724,
0.2863

347.8629, 0.2723,

 2.9304, 0.1416,

0.3206

0.2708

410.6798, 0.2745,
0.3211

■ 1.0955, 0.0784,
0.2470

■ 0.0000, 0.0000,
0.0000

■ 75.7926, 0.2469,
0.3138

■ 75.7926, 0.2469,
0.3138

■ 72.3277, 0.2368,
0.3101

■ 79.7910, 0.2586,
0.3174

■ 69.3533, 0.2287,
0.3064

■ 84.3501, 0.2718,
0.3208

■ 66.8293, 0.2224,
0.3026

■ 89.5027, 0.2861,
0.3240

■ 64.7062, 0.2181,
0.2988

■ 95.2768, 0.3011,
0.3270

■ 62.9196, 0.2156,
0.2951

100.0000, 0.3127,
0.3290

■ 62.4939, 0.2151,
0.2942

Harmonies

Analogous

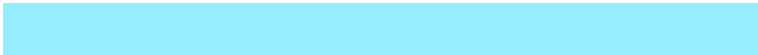
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7926, 0.2679, 0.3508



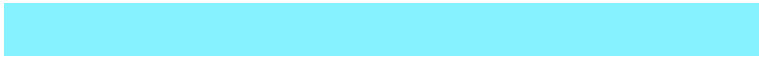
75.7926, 0.2469, 0.3138



75.7926, 0.2425, 0.2843

Triad

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



75.7926, 0.2469, 0.3138



75.7926, 0.3206, 0.2826



75.7926, 0.3715, 0.3905

Complementary

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



75.7926, 0.2469, 0.3138



43.8460, 0.4377, 0.3429

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.



75.7926, 0.3880, 0.3678



75.7926, 0.2469, 0.3138



75.7926, 0.3579, 0.3071

Square

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



75.7926, 0.2469, 0.3138



75.7926, 0.2832, 0.2687



75.7926, 0.3832, 0.3375



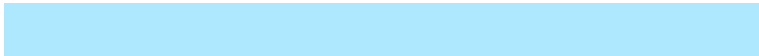
75.7926, 0.3394, 0.3973

Rectangle

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



75.7926, 0.2469, 0.3138



75.7926, 0.2492, 0.2723



75.7926, 0.3832, 0.3375



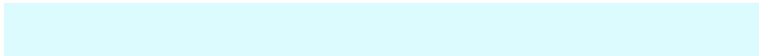
75.7926, 0.3791, 0.3843

Sweetspot

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



75.7946, 0.2469, 0.3138



91.4246, 0.2912, 0.3250



78.6663, 0.3002, 0.4649



19.3097, 0.2880, 0.3244



0.0000, 0.0000, 0.0000



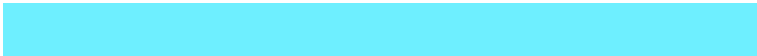
21.4041, 0.3127, 0.3290

Same Dimension

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



75.7946, 0.2469, 0.3138



72.4737, 0.2373, 0.3103



45.9069, 0.2331, 0.2395



20.1284, 0.2980, 0.3264



32.7888, 0.2152, 0.2948



3.2840, 0.2164, 0.2990

Inverse Universe

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



44.7201, 0.3295, 0.2240



38.5915, 0.3335, 0.2062



67.4124, 0.4053, 0.4033



18.2648, 0.3155, 0.3081



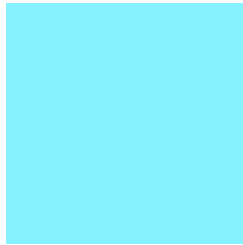
14.0380, 0.3500, 0.1702



1.3761, 0.3463, 0.1681

Previews

White Background



This preview shows how the Yxy color 75.7926, 0.2469, 0.3138 looks on a white background.

Color Contrast Check

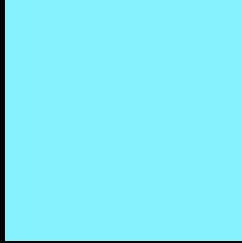
Large Text (above 18pt) WCAG AA × Fail

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 75.7926, 0.2469, 0.3138 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 75.7926, 0.2469, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 75.7926, 0.2469, 0.3138.

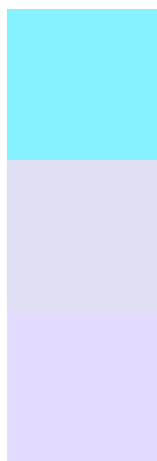


This preview shows how white text looks on a background with the Yxy color 75.7926, 0.2469, 0.3138.

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

75.7926, 0.2469, 0.3138

Protanopia

74.9344, 0.3000, 0.3079

Deuteranopia

74.9004, 0.2959, 0.2930



Tritanopia

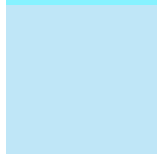
75.3376, 0.2554, 0.3096

Trichromacy



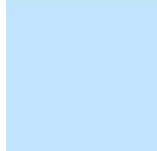
Original Color

75.7926, 0.2469, 0.3138



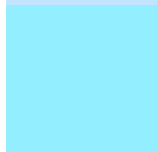
Protanomaly

74.3854, 0.2776, 0.3102



Deuteranomaly

74.1761, 0.2749, 0.2996



Tritanomaly

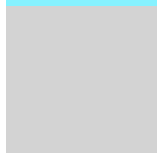
75.1560, 0.2518, 0.3106

Monochromacy



Original Color

75.7926, 0.2469, 0.3138



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

67.8559, 0.2834, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7926, 0.2469, 0.3138 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(134, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 242, 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(134, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.7926, 0.2469, 0.3138 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(134, 242, 255) }
```

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

```
.border{ border-color:rgb(134, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7926, 0.2469, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 242, 255) }
```

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

```
.background{ background-color: rgb(134,  
242, 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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