

Converting Colors

$Yxy(74.9785, 0.2462, 0.3123)$

Have a look what the booklet for
Yxy(74.9785, 0.2462, 0.3123)
contains.

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Color

Yxy(75.1171, 0.2463, 0.3126)

Conversions

Conversions Part 1

Format	Color
Hex	85F1FF
RGB	133, 241, 255
RGB Percent	52%, 95%, 100%
CMY	0.4782, 0.0549, 0.0000
CMYK	0.48, 0.05, 0.00, 0.00
HSL	187°, 100%, 76%
HSV	187°, 48%, 100%
XYZ	59.1854, 75.1171, 105.9954
YIQ	210.3040, -68.8620, -18.5420

Conversions

Conversions Part 2

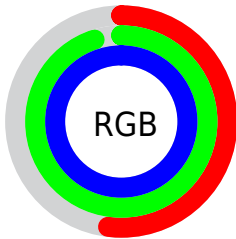
Format	Color
RYB	133, 190, 255
Decimal	8778239
CIELab	89.45, -27.55, -16.41
CIELCh	89, 32.065, 210.781
Yxy	75.1171, 0.2463, 0.3126
Android (android.graphics.Color)	4286968319 (0xFF85F1FF)
YUV	210.3040, 22.0351, -67.7956
Hunter-Lab	86.6701, -29.7785, -11.8411

Details

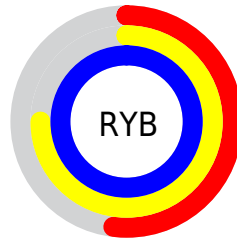
The Yxy color **75.1171, 0.2463, 0.3126** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.8414, 0.4386, 0.3439**, and the grayscale version is **64.5547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **40.1147, 0.2321, 0.3090** is the 20% darker color. If you saturate the color by 10%, you get **71.5687, 0.2362, 0.3086**, and if you desaturate by 10%, it is **79.2015, 0.2581, 0.3165**.

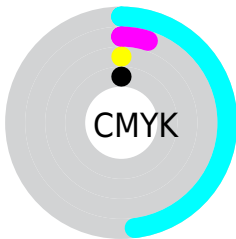
Distribution



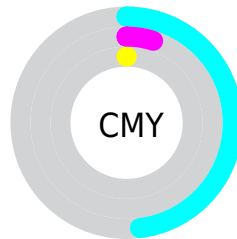
- Red (52%)
- Green (95%)
- Blue (100%)



- Red (52%)
- Yellow (75%)
- Blue (100%)



- Cyan (48%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.1171, 0.2463, 0.3126 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 75.1171, 0.2463, 0.3126 by changing the saturation by 10% instead.


 75.1171, 0.2463,
0.3126


 75.1171, 0.2463,
0.3126


478.3200, 0.2761,
0.3209

 55.7088, 0.2398,
0.3105


 126.4781, 0.2564,
0.3156

 39.9695, 0.2318,
0.3079


 159.1996, 0.2604,
0.3168

 27.5148, 0.2219,
0.3045


 197.1277, 0.2639,
0.3177

 17.9602, 0.2094,
0.2999

240.6467, 0.2669,
0.3185

 10.9214, 0.1931,
0.2933

290.1410, 0.2696,
0.3193

 6.0140, 0.1709,
0.2833

345.9951, 0.2720,

 2.8536, 0.1397,

0.3199

0.2670

408.5933, 0.2741,
0.3204

1.0558, 0.0738,
0.2422

0.0000, 0.0000,
0.0000

75.1171, 0.2463,
0.3126

75.1171, 0.2463,
0.3126

71.5687, 0.2362,
0.3086

79.2015, 0.2581,
0.3165

68.5126, 0.2280,
0.3046

83.8488, 0.2712,
0.3201

65.9086, 0.2217,
0.3005

89.0920, 0.2855,
0.3235

63.7070, 0.2174,
0.2965

94.9592, 0.3006,
0.3267

■ 61.8410, 0.2148,
0.2925

100.0000, 0.3127,
0.3290

■ 61.4580, 0.2144,
0.2917

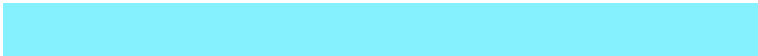
Harmonies

Analogous

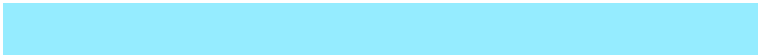
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.1171, 0.2669, 0.3497



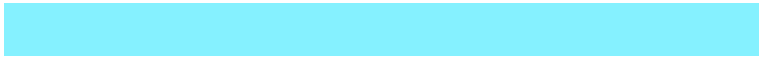
75.1171, 0.2463, 0.3126



75.1171, 0.2425, 0.2834

Triad

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



75.1171, 0.2463, 0.3126



75.1171, 0.3219, 0.2831



75.1171, 0.3708, 0.3912

Complementary

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



75.1171, 0.2463, 0.3126



43.8414, 0.4386, 0.3439

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.



75.1171, 0.3880, 0.3688



75.1171, 0.2463, 0.3126



75.1171, 0.3591, 0.3080

Square

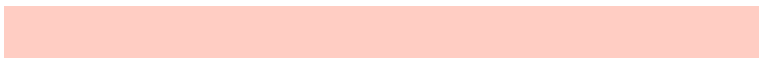
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1171, 0.2463, 0.3126



75.1171, 0.2842, 0.2688



75.1171, 0.3839, 0.3385



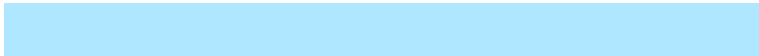
75.1171, 0.3383, 0.3974

Rectangle

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



75.1171, 0.2463, 0.3126



75.1171, 0.2496, 0.2717



75.1171, 0.3839, 0.3385



75.1171, 0.3786, 0.3851

Sweetspot

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



75.1193, 0.2463, 0.3126



91.2586, 0.2912, 0.3248



78.5632, 0.3001, 0.4662



19.2688, 0.2880, 0.3241



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

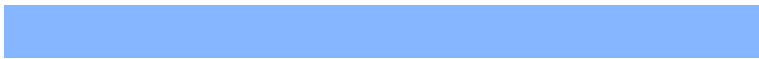
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1193, 0.2463, 0.3126



71.8410, 0.2370, 0.3090



45.5991, 0.2325, 0.2386



20.1041, 0.2980, 0.3262



32.2553, 0.2145, 0.2923



3.2374, 0.2158, 0.2969

Inverse Universe

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



44.4012, 0.3305, 0.2240



38.5276, 0.3346, 0.2071



67.2049, 0.4062, 0.4038



18.2623, 0.3156, 0.3082



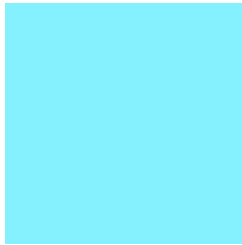
13.9842, 0.3522, 0.1714



1.3714, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 75.1171, 0.2463, 0.3126 looks on a white background.

Color Contrast Check

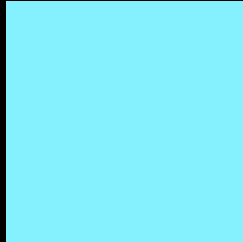
Large Text (above 18pt) WCAG AA × Fail

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 75.1171, 0.2463, 0.3126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

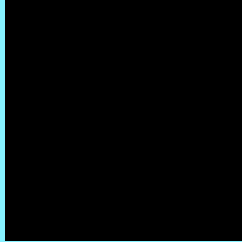
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.1171, 0.2463, 0.3126

Background



This preview shows how black text looks on a background with the Yxy color 75.1171, 0.2463, 0.3126.



This preview shows how white text looks on a background with the Yxy color 75.1171, 0.2463, 0.3126.

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

75.1171, 0.2463, 0.3126

Protanopia

74.2432, 0.2993, 0.3068

Deuteranopia

74.2139, 0.2952, 0.2919



Tritanopia

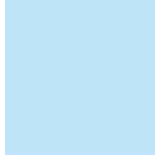
74.9484, 0.2535, 0.3095

Trichromacy



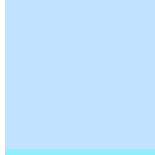
Original Color

75.1171, 0.2463, 0.3126



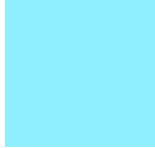
Protanomaly

73.7012, 0.2769, 0.3090



Deuteranomaly

73.4956, 0.2742, 0.2985



Tritanomaly

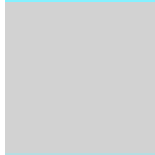
74.8823, 0.2505, 0.3105

Monochromacy



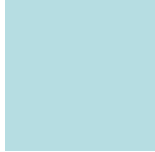
Original Color

75.1171, 0.2463, 0.3126



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.1490, 0.2833, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.1171, 0.2463, 0.3126 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(133, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 241, 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(133, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.1171, 0.2463, 0.3126 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(133, 241, 255) }
```

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

```
.border{ border-color:rgb(133, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 241, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 241, 255); box-shadow:4px 4px 4px 4px rgb(133, 241, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.1171, 0.2463, 0.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 241, 255) }
```

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

```
.background{ background-color: rgb(133,  
241, 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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