

Converting Colors

$Yxy(75.1428, 0.2443, 0.3134)$

Have a look what the booklet for
Yxy(75.1428, 0.2443, 0.3134)
contains.

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Color

Yxy(75.3135, 0.2445, 0.3137)

Conversions

Conversions Part 1

Format	Color
Hex	80F2FF
RGB	128, 242, 255
RGB Percent	50%, 95%, 100%
CMY	0.4983, 0.0509, 0.0000
CMYK	0.50, 0.05, 0.00, 0.00
HSL	186°, 100%, 75%
HSV	186°, 50%, 100%
XYZ	58.6999, 75.3135, 106.0679
YIQ	209.3960, -72.1170, -20.1250

Conversions

Conversions Part 2

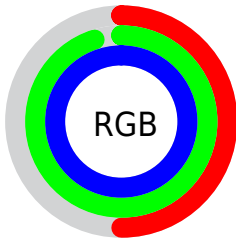
Format	Color
RYB	128, 188, 255
Decimal	8450815
CIELab	89.54, -29.11, -16.30
CIElCh	90, 33.365, 209.237
Yxy	75.3135, 0.2445, 0.3137
Android (android.graphics.Color)	4286640895 (0xFF80F2FF)
YUV	209.3960, 22.4828, -71.3843
Hunter-Lab	86.7834, -31.1343, -11.7168

Details

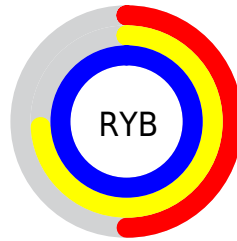
The Yxy color **75.3135, 0.2445, 0.3137** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.8472, 0.4476, 0.3427**, and the grayscale version is **63.9100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **40.2850, 0.2301, 0.3104** is the 20% darker color. If you saturate the color by 10%, you get **72.0399, 0.2349, 0.3102**, and if you desaturate by 10%, it is **79.1089, 0.2558, 0.3172**.

Distribution



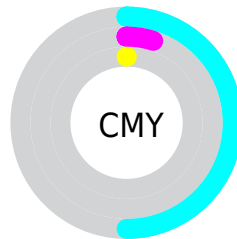
- Red (50%)
- Green (95%)
- Blue (100%)



- Red (50%)
- Yellow (74%)
- Blue (100%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.3135, 0.2445, 0.3137 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 75.3135, 0.2445, 0.3137 by changing the saturation by 10% instead.


 75.3135, 0.2445,
0.3137

 75.3135, 0.2445,
0.3137


478.9944, 0.2750,
0.3216


 55.8698, 0.2378,
0.3117


 126.7560, 0.2549,
0.3166

 40.0985, 0.2296,
0.3092

 159.5236, 0.2590,
0.3176

 27.6154, 0.2196,
0.3060


 197.5013, 0.2625,
0.3186

 18.0359, 0.2068,
0.3015

241.0734, 0.2657,
0.3193

 10.9758, 0.1901,
0.2951

290.6244, 0.2684,
0.3200

 6.0505, 0.1675,
0.2854

346.5386, 0.2709,

 2.8758, 0.1360,

0.3206

0.2692

409.2005, 0.2731,
0.3211

■ 1.0673, 0.0674,
0.2454

■ 0.0000, 0.0000,
0.0000

■ 75.3135, 0.2445,
0.3137

■ 75.3135, 0.2445,
0.3137

■ 72.0399, 0.2349,
0.3102

■ 79.1089, 0.2558,
0.3172

■ 69.2456, 0.2273,
0.3066

■ 83.4556, 0.2686,
0.3204

■ 66.8885, 0.2216,
0.3030

■ 88.3865, 0.2826,
0.3235

■ 64.9168, 0.2178,
0.2995

■ 93.9300, 0.2975,
0.3264

■ 63.2474, 0.2156,
0.2960

100.0000, 0.3127,
0.3290

■ 63.2194, 0.2155,
0.2959

Harmonies

Analogous

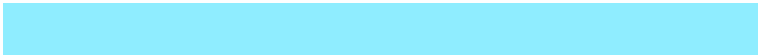
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.3135, 0.2666, 0.3525



75.3135, 0.2445, 0.3137



75.3135, 0.2396, 0.2828

Triad

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



75.3135, 0.2445, 0.3137



75.3135, 0.3201, 0.2804



75.3135, 0.3744, 0.3927

Complementary

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



75.3135, 0.2445, 0.3137



41.8472, 0.4476, 0.3427

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.



75.3135, 0.3913, 0.3687



75.3135, 0.2445, 0.3137



75.3135, 0.3592, 0.3056

Square

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



75.3135, 0.2445, 0.3137



75.3135, 0.2812, 0.2662



75.3135, 0.3859, 0.3371



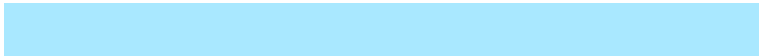
75.3135, 0.3411, 0.4004

Rectangle

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



75.3135, 0.2445, 0.3137



75.3135, 0.2464, 0.2702



75.3135, 0.3859, 0.3371



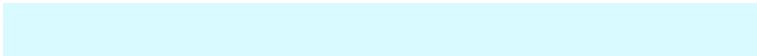
75.3135, 0.3822, 0.3861

Sweetspot

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



75.3150, 0.2445, 0.3137



90.9836, 0.2897, 0.3249



78.0175, 0.2997, 0.4729



19.2276, 0.2866, 0.3243



0.0000, 0.0000, 0.0000



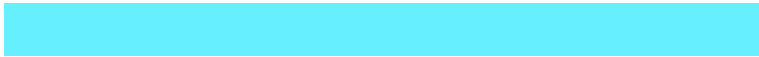
21.4041, 0.3127, 0.3290

Same Dimension

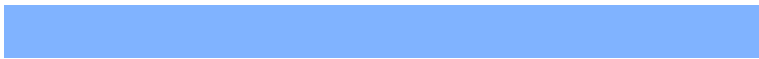
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3150, 0.2445, 0.3137



71.9873, 0.2348, 0.3101



43.9513, 0.2291, 0.2340



20.1453, 0.2980, 0.3265



33.1624, 0.2157, 0.2965



3.3166, 0.2168, 0.3005

Inverse Universe

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



43.0950, 0.3299, 0.2188



37.0159, 0.3341, 0.2007



66.0871, 0.4109, 0.4067



18.2665, 0.3154, 0.3079



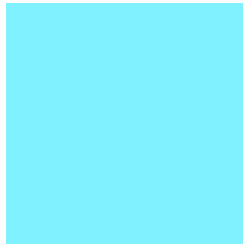
14.0757, 0.3485, 0.1694



1.3794, 0.3450, 0.1674

Previews

White Background



This preview shows how the Yxy color 75.3135, 0.2445, 0.3137 looks on a white background.

Color Contrast Check

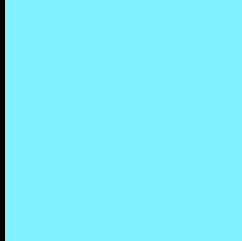
Large Text (above 18pt) WCAG AA × Fail

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 75.3135, 0.2445, 0.3137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

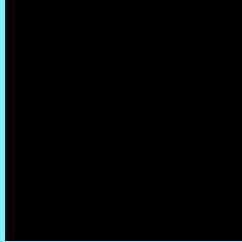
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.3135, 0.2445, 0.3137

Background



This preview shows how black text looks on a background with the Yxy color 75.3135, 0.2445, 0.3137.

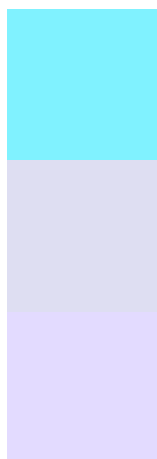


This preview shows how white text looks on a background with the Yxy color 75.3135, 0.2445, 0.3137.

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

75.3135, 0.2445, 0.3137

Protanopia

74.1830, 0.2999, 0.3079

Deuteranopia

74.2139, 0.2952, 0.2919



Tritanopia

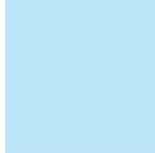
74.8531, 0.2530, 0.3095

Trichromacy



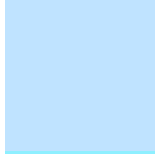
Original Color

75.3135, 0.2445, 0.3137



Protanomaly

73.4454, 0.2757, 0.3090



Deuteranomaly

73.2345, 0.2730, 0.2984



Tritanomaly

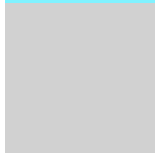
74.7038, 0.2496, 0.3104

Monochromacy



Original Color

75.3135, 0.2445, 0.3137



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

66.9072, 0.2820, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3135, 0.2445, 0.3137 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(128, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.3135, 0.2445, 0.3137 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(128, 242, 255) }
```

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

```
.border{ border-color:rgb(128, 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(128, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3135, 0.2445, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 242, 255) }
```

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

```
.background{ background-color: rgb(128,  
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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