

Converting Colors

$Yxy(80.6947, 0.2311, 0.2785)$

Have a look what the booklet for
Yxy(80.6947, 0.2311, 0.2785)
contains.

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Color

Yxy(77.7987, 0.2458, 0.3184)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 81F6FF |
| RGB | 129, 246, 255 |
| RGB Percent | 51%, 96%, 100% |
| CMY | 0.4942, 0.0353, 0.0000 |
| CMYK | 0.49, 0.04, 0.00, 0.00 |
| HSL | 184°, 100%, 75% |
| HSV | 184°, 49%, 100% |
| XYZ | 60.0594, 77.7987, 106.4845 |
| YIQ | 212.0430, -72.6210, -22.0050 |

Conversions

Conversions Part 2

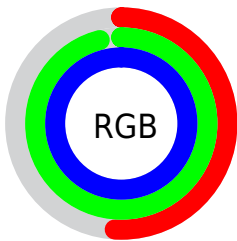
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 129, 190, 255 |
| Decimal | 8517375 |
| CIELab | 90.69, -30.80, -14.58 |
| CIElCh | 91, 34.077, 205.324 |
| Yxy | 77.7987, 0.2458, 0.3184 |
| Android (android.graphics.Color) | 4286707455 (0xFF81F6FF) |
| YUV | 212.0430, 21.1778, -72.8287 |
| Hunter-Lab | 88.2036, -32.8123, -9.8359 |

Details

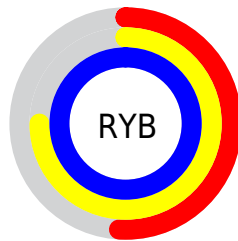
The Yxy color **77.7987, 0.2458, 0.3184** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.0125, 0.4482, 0.3386**, and the grayscale version is **65.7573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **41.5624, 0.2313, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **74.9443, 0.2366, 0.3160**, and if you desaturate by 10%, it is **81.1639, 0.2568, 0.3208**.

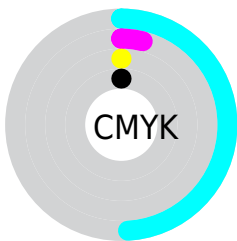
Distribution



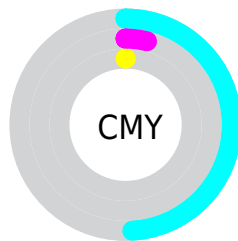
- Red (51%)
- Green (96%)
- Blue (100%)



- Red (51%)
- Yellow (75%)
- Blue (100%)



- Cyan (49%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7987, 0.2458, 0.3184 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 77.7987, 0.2458, 0.3184 by changing the saturation by 10% instead.


 77.7987, 0.2458,
0.3184

 77.7987, 0.2458,
0.3184


487.4829, 0.2756,
0.3241


 57.9086, 0.2393,
0.3170

 130.2663, 0.2559,
0.3205

 41.7352, 0.2314,
0.3151


 163.6126, 0.2599,
0.3213

 28.8940, 0.2216,
0.3126


 202.2132, 0.2634,
0.3219

 19.0006, 0.2092,
0.3092

246.4523, 0.2664,
0.3225

 11.6707, 0.1930,
0.3043

296.7145, 0.2691,
0.3230

 6.5199, 0.1713,
0.2966

353.3841, 0.2715,

 3.1637, 0.1408,

0.3234

416.8454, 0.2737,
0.3237

0.2837

1.2178, 0.0807,
0.2637

0.0762, 0.0000,
0.0643

77.7987, 0.2458,
0.3184

77.7987, 0.2458,
0.3184

74.9443, 0.2366,
0.3160

81.1639, 0.2568,
0.3208

72.5602, 0.2292,
0.3135

85.0710, 0.2694,
0.3231

70.6041, 0.2239,
0.3111

89.5520, 0.2833,
0.3252

69.0245, 0.2204,
0.3086

94.6354, 0.2981,
0.3273

■ 67.7426, 0.2185,
0.3062

100.0000, 0.3127,
0.3290

■ 67.6722, 0.2184,
0.3061

Harmonies

Analogous

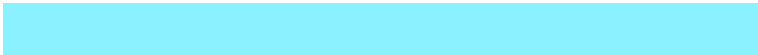
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7987, 0.2701, 0.3577



77.7987, 0.2458, 0.3184



77.7987, 0.2385, 0.2856

Triad

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



77.7987, 0.2458, 0.3184



77.7987, 0.3148, 0.2773



77.7987, 0.3783, 0.3909

Complementary

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



77.7987, 0.2458, 0.3184



41.0125, 0.4482, 0.3386

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.



77.7987, 0.3928, 0.3651



77.7987, 0.2458, 0.3184



77.7987, 0.3550, 0.3016

Square

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



77.7987, 0.2458, 0.3184



77.7987, 0.2764, 0.2648



77.7987, 0.3843, 0.3328



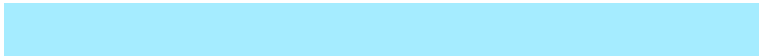
77.7987, 0.3464, 0.4014

Rectangle

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



77.7987, 0.2458, 0.3184



77.7987, 0.2438, 0.2715



77.7987, 0.3843, 0.3328



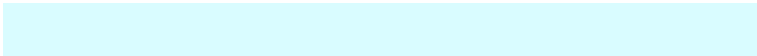
77.7987, 0.3855, 0.3836

Sweetspot

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



77.7996, 0.2458, 0.3184



91.7239, 0.2898, 0.3262



78.0021, 0.3016, 0.4767



19.4079, 0.2867, 0.3257



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.



77.7996, 0.2458, 0.3184



75.0550, 0.2369, 0.3161



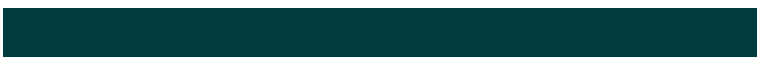
45.9942, 0.2308, 0.2404



20.2463, 0.2980, 0.3272



35.4542, 0.2185, 0.3065



3.5158, 0.2192, 0.3092

Inverse Universe

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



43.6079, 0.3262, 0.2164



37.8193, 0.3292, 0.1988



64.3332, 0.4122, 0.4021



18.2767, 0.3149, 0.3072



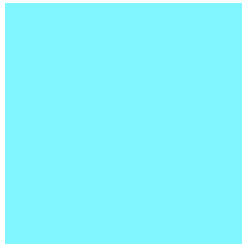
14.3071, 0.3397, 0.1645



1.3995, 0.3374, 0.1632

Previews

White Background



This preview shows how the Yxy color 77.7987, 0.2458, 0.3184 looks on a white background.

Color Contrast Check

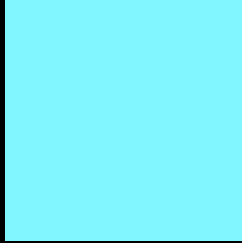
Large Text (above 18pt) WCAG AA × Fail

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 77.7987, 0.2458, 0.3184 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

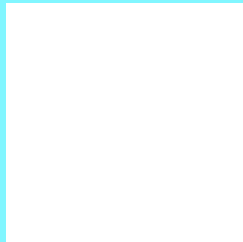
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7987, 0.2458, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 77.7987, 0.2458, 0.3184.

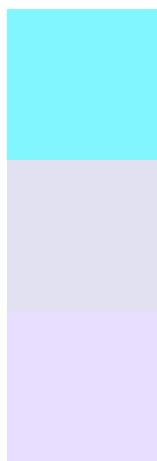


This preview shows how white text looks on a background with the Yxy color 77.7987, 0.2458, 0.3184.

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

77.7987, 0.2458, 0.3184

Protanopia

76.4300, 0.3026, 0.3112

Deuteranopia

76.6184, 0.2986, 0.2954



Tritanopia

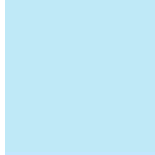
77.4327, 0.2601, 0.3121

Trichromacy



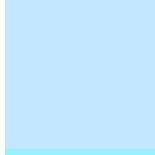
Original Color

77.7987, 0.2458, 0.3184



Protanomaly

76.0696, 0.2779, 0.3135



Deuteranomaly

75.9739, 0.2757, 0.3030



Tritanomaly

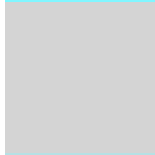
77.3036, 0.2542, 0.3141

Monochromacy



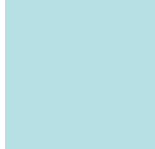
Original Color

77.7987, 0.2458, 0.3184



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.8578, 0.2823, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7987, 0.2458, 0.3184 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(129, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 246, 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(129, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 246, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.7987, 0.2458, 0.3184 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(129, 246, 255) }
```

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

```
.border{ border-color:rgb(129, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 246,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7987, 0.2458, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 246, 255) }
```

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

```
.background{ background-color: rgb(129,  
246, 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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