

Converting Colors

$Yxy(77.0312, 0.2451, 0.3171)$

Have a look what the booklet for
Yxy(77.0312, 0.2451, 0.3171)
contains.

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Color

Yxy(77.1140, 0.2452, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	80F5FF
RGB	128, 245, 255
RGB Percent	50%, 96%, 100%
CMY	0.4983, 0.0391, 0.0001
CMYK	0.50, 0.04, 0.00, 0.00
HSL	185°, 100%, 75%
HSV	185°, 50%, 100%
XYZ	59.5914, 77.1140, 106.3264
YIQ	211.1570, -72.9420, -21.6940

Conversions

Conversions Part 2

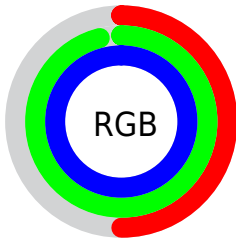
Format	Color
R_{YB}	128, 189, 255
Decimal	8451583
CIE _{Lab}	90.37, -30.57, -15.02
CIE _{LCh}	90, 34.057, 206.167
Yxy	77.1140, 0.2452, 0.3173
Android (android.graphics.Color)	4286641663 (0xFF80F5FF)
YUV	211.1570, 21.6146, -72.9287
Hunter-Lab	87.8146, -32.5445, -10.3185

Details

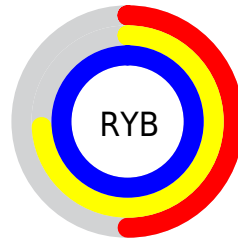
The Yxy color **77.1140, 0.2452, 0.3173** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.9529, 0.4494, 0.3396**, and the grayscale version is **65.1296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **41.1004, 0.2306, 0.3135** is the 20% darker color. If you saturate the color by 10%, you get **74.1811, 0.2359, 0.3146**, and if you desaturate by 10%, it is **80.5624, 0.2562, 0.3199**.

Distribution



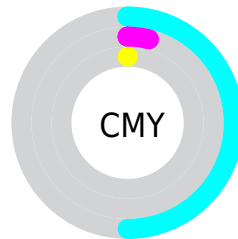
- Red (50%)
- Green (96%)
- Blue (100%)



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



- Cyan (50%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1140, 0.2452, 0.3173 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 77.1140, 0.2452, 0.3173 by changing the saturation by 10% instead.


 77.1140, 0.2452,
0.3173


 77.1140, 0.2452,
0.3173

485.1526, 0.2753,
0.3235


 57.3464, 0.2386,
0.3157


 129.3004, 0.2554,
0.3196

 41.2835, 0.2306,
0.3137

 162.4880, 0.2595,
0.3204

 28.5406, 0.2207,
0.3110


 200.9178, 0.2630,
0.3211

 18.7336, 0.2082,
0.3074

244.9741, 0.2661,
0.3217

 11.4779, 0.1918,
0.3021

295.0413, 0.2688,
0.3223

 6.3893, 0.1698,
0.2939

351.5039, 0.2712,

 3.0832, 0.1389,

0.3227

414.7462, 0.2734,
0.3231

0.2802

1.1753, 0.0762,
0.2593

0.0414, 0.0000,
0.0362

77.1140, 0.2452,
0.3173

77.1140, 0.2452,
0.3173

74.1811, 0.2359,
0.3146

80.5624, 0.2562,
0.3199

71.7168, 0.2286,
0.3119

84.5515, 0.2688,
0.3224

69.6807, 0.2232,
0.3092

89.1153, 0.2827,
0.3248

68.0209, 0.2197,
0.3065

94.2825, 0.2975,
0.3270

■ 66.6544, 0.2178,
0.3039

99.9982, 0.3127,
0.3290

■ 66.6320, 0.2177,
0.3038

Harmonies

Analogous

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



77.1140, 0.2691, 0.3567



77.1140, 0.2452, 0.3173



77.1140, 0.2384, 0.2848

Triad

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



77.1140, 0.2452, 0.3173



77.1140, 0.3160, 0.2778



77.1140, 0.3778, 0.3916

Complementary

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



77.1140, 0.2452, 0.3173



40.9529, 0.4494, 0.3396

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.



77.1140, 0.3929, 0.3660



77.1140, 0.2452, 0.3173



77.1140, 0.3561, 0.3023

Square

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



77.1140, 0.2452, 0.3173



77.1140, 0.2773, 0.2648



77.1140, 0.3850, 0.3338



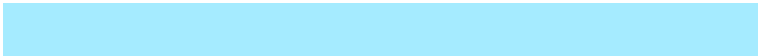
77.1140, 0.3454, 0.4016

Rectangle

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



77.1140, 0.2452, 0.3173



77.1140, 0.2440, 0.2709



77.1140, 0.3850, 0.3338



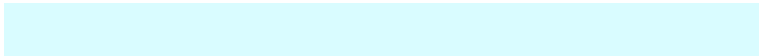
77.1140, 0.3851, 0.3844

Sweetspot

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



77.1170, 0.2452, 0.3173



91.5562, 0.2897, 0.3259



77.8741, 0.3016, 0.4781



19.3670, 0.2866, 0.3254



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

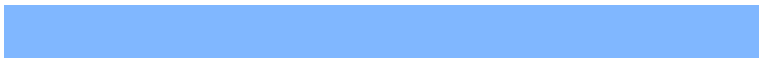
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1170, 0.2452, 0.3173



74.1535, 0.2358, 0.3146



45.6591, 0.2301, 0.2395



20.2235, 0.2980, 0.3271



34.9275, 0.2179, 0.3043



3.4701, 0.2187, 0.3073

Inverse Universe

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



43.2666, 0.3271, 0.2163



37.2346, 0.3305, 0.1979



64.0815, 0.4132, 0.4027



18.2744, 0.3150, 0.3074



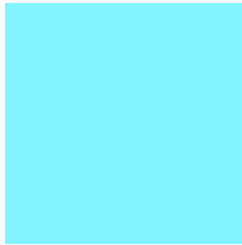
14.2539, 0.3417, 0.1656



1.3949, 0.3390, 0.1641

Previews

White Background



This preview shows how the Yxy color 77.1140, 0.2452, 0.3173 looks on a white background.

Color Contrast Check

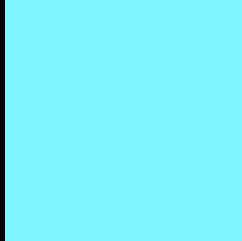
Large Text (above 18pt) WCAG AA × Fail

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 77.1140, 0.2452, 0.3173 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

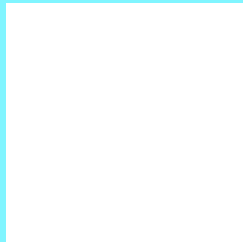
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1140, 0.2452, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 77.1140, 0.2452, 0.3173.

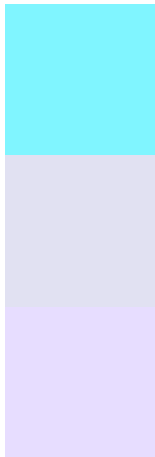


This preview shows how white text looks on a background with the Yxy color 77.1140, 0.2452, 0.3173.

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

77.1140, 0.2452, 0.3173

Protanopia

76.2688, 0.3019, 0.3112

Deuteranopia

75.9218, 0.2979, 0.2943



Tritanopia

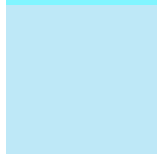
77.0138, 0.2581, 0.3120

Trichromacy



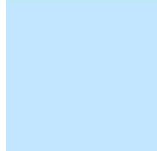
Original Color

77.1140, 0.2452, 0.3173



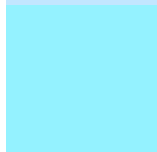
Protanomaly

75.3758, 0.2772, 0.3124



Deuteranomaly

75.2830, 0.2750, 0.3019



Tritanomaly

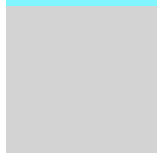
77.0202, 0.2529, 0.3141

Monochromacy



Original Color

77.1140, 0.2452, 0.3173



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.1452, 0.2822, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1140, 0.2452, 0.3173 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, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 245, 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, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.1140, 0.2452, 0.3173 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, 245, 255) }
```

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

```
.border{ border-color:rgb(128, 245, 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, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1140, 0.2452, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 245, 255) }
```

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

```
.background{ background-color: rgb(128,  
245, 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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