

Converting Colors

$Yxy(76.9080, 0.2477, 0.3158)$

Have a look what the booklet for
Yxy(76.9080, 0.2477, 0.3158)
contains.

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Color

Yxy(77.0723, 0.2477, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	87F4FF
RGB	135, 244, 255
RGB Percent	53%, 96%, 100%
CMY	0.4711, 0.0430, 0.0000
CMYK	0.47, 0.04, 0.00, 0.00
HSL	185°, 100%, 76%
HSV	185°, 47%, 100%
XYZ	60.3757, 77.0723, 106.2974
YIQ	212.6630, -68.4950, -19.6870

Conversions

Conversions Part 2

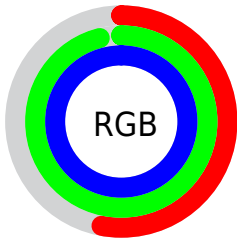
Format	Color
R_{YB}	135, 192, 255
Decimal	8910079
CIE _{Lab}	90.35, -28.61, -15.03
CIE _{LCh}	90, 32.324, 207.717
Yxy	77.0723, 0.2477, 0.3162
Android (android.graphics.Color)	4287100159 (0xFF87F4FF)
YUV	212.6630, 20.8721, -68.1105
Hunter-Lab	87.7908, -30.8755, -10.3349

Details

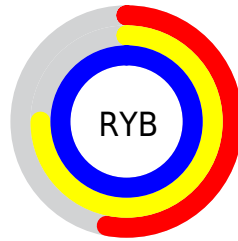
The Yxy color **77.0723, 0.2477, 0.3162** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.5150, 0.4374, 0.3408**, and the grayscale version is **66.1769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **41.0343, 0.2336, 0.3121** is the 20% darker color. If you saturate the color by 10%, you get **73.8167, 0.2378, 0.3131**, and if you desaturate by 10%, it is **80.8578, 0.2593, 0.3192**.

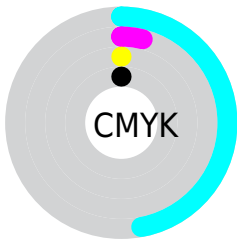
Distribution



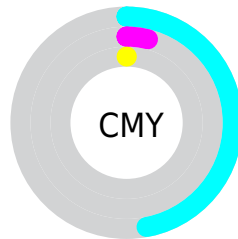
- Red (53%)
- Green (96%)
- Blue (100%)



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



- Cyan (47%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (47%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0723, 0.2477, 0.3162 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 77.0723, 0.2477, 0.3162 by changing the saturation by 10% instead.

 77.0723, 0.2477,
0.3162

 77.0723, 0.2477,
0.3162


485.0105, 0.2767,
0.3228

 57.3122, 0.2413,
0.3145


 129.2415, 0.2576,
0.3186

 41.2560, 0.2336,
0.3124


 162.4195, 0.2615,
0.3195

 28.5191, 0.2240,
0.3096


200.8388, 0.2649,
0.3203

 18.7174, 0.2119,
0.3058

244.8840, 0.2678,
0.3209

 11.4662, 0.1960,
0.3004

294.9393, 0.2704,
0.3215

 6.3813, 0.1746,
0.2921

351.3893, 0.2728,

 3.0783, 0.1444,

0.3220

0.2782

414.6182, 0.2749,
0.3224

■ 1.1728, 0.0855,
0.2564

■ 0.0393, 0.0000,
0.0345

■ 77.0723, 0.2477,
0.3162

■ 77.0723, 0.2477,
0.3162

■ 73.8167, 0.2378,
0.3131

■ 80.8578, 0.2593,
0.3192

■ 71.0453, 0.2297,
0.3099

■ 85.1975, 0.2724,
0.3221

■ 68.7192, 0.2237,
0.3067

■ 90.1247, 0.2866,
0.3248

■ 66.7893, 0.2195,
0.3035

■ 95.6676, 0.3017,
0.3273

■ 65.1927, 0.2171,
0.3004

99.9997, 0.3127,
0.3290

■ 64.7658, 0.2165,
0.2995

Harmonies

Analogous

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



77.0723, 0.2698, 0.3534



77.0723, 0.2477, 0.3162



77.0723, 0.2421, 0.2858

Triad

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



77.0723, 0.2477, 0.3162



77.0723, 0.3179, 0.2811



77.0723, 0.3733, 0.3895

Complementary

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



77.0723, 0.2477, 0.3162



43.5150, 0.4374, 0.3408

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.



77.0723, 0.3886, 0.3659



77.0723, 0.2477, 0.3162



77.0723, 0.3557, 0.3051

Square

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



77.0723, 0.2477, 0.3162



77.0723, 0.2808, 0.2681



77.0723, 0.3822, 0.3353



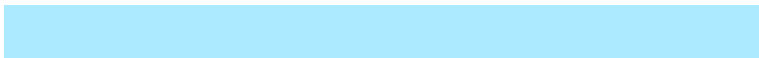
77.0723, 0.3420, 0.3977

Rectangle

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



77.0723, 0.2477, 0.3162



77.0723, 0.2480, 0.2731



77.0723, 0.3822, 0.3353



77.0723, 0.3806, 0.3829

Sweetspot

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



77.0753, 0.2477, 0.3162



91.7836, 0.2912, 0.3256



78.6985, 0.3012, 0.4663



19.3981, 0.2880, 0.3251



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.



77.0753, 0.2477, 0.3162



73.8519, 0.2379, 0.3131



47.0260, 0.2342, 0.2428



20.1809, 0.2980, 0.3268



33.9597, 0.2167, 0.3000



3.3860, 0.2177, 0.3036

Inverse Universe

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



45.0846, 0.3276, 0.2231



38.7306, 0.3313, 0.2044



66.6410, 0.4055, 0.4009



18.2701, 0.3152, 0.3077



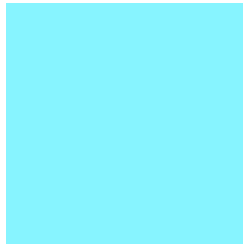
14.1562, 0.3454, 0.1676



1.3864, 0.3423, 0.1659

Previews

White Background



This preview shows how the Yxy color 77.0723, 0.2477, 0.3162 looks on a white background.

Color Contrast Check

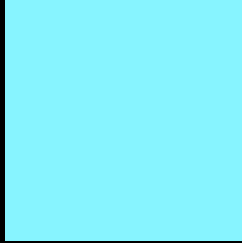
Large Text (above 18pt) WCAG AA × Fail

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 77.0723, 0.2477, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

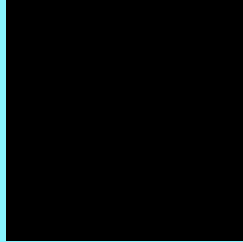
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.0723, 0.2477, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 77.0723, 0.2477, 0.3162.

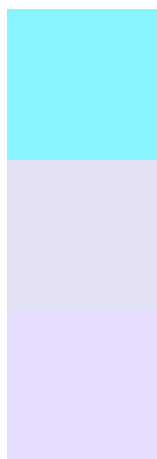


This preview shows how white text looks on a background with the Yxy color 77.0723, 0.2477, 0.3162.

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

77.0723, 0.2477, 0.3162

Protanopia

76.3290, 0.3013, 0.3102

Deuteranopia

75.9218, 0.2979, 0.2943



Tritanopia

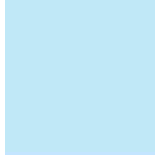
76.6344, 0.2589, 0.3109

Trichromacy



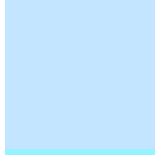
Original Color

77.0723, 0.2477, 0.3162



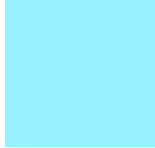
Protanomaly

75.6351, 0.2784, 0.3125



Deuteranomaly

74.9944, 0.2761, 0.3008



Tritanomaly

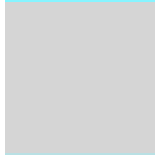
76.8060, 0.2545, 0.3130

Monochromacy



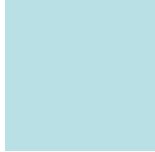
Original Color

77.0723, 0.2477, 0.3162



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

69.2270, 0.2842, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0723, 0.2477, 0.3162 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(135, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 244, 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(135, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.0723, 0.2477, 0.3162 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(135, 244, 255) }
```

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

```
.border{ border-color:rgb(135, 244, 255) }
```

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

Here you see how a box with a 4 pixel rgb(135, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 244,  
255) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.0723, 0.2477, 0.3162$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 244, 255) }
```

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

```
.background{ background-color: rgb(135,  
244, 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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