

Converting Colors

Yxy(76.6563, 0.2451, 0.3168)

Have a look what the booklet for
Yxy(76.6563, 0.2451, 0.3168)
contains.

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Color

Yxy(76.5106, 0.2450, 0.3161)

Conversions

Conversions Part 1

Format	Color
Hex	80F4FF
RGB	128, 244, 255
RGB Percent	50%, 96%, 100%
CMY	0.4980, 0.0431, 0.0001
CMYK	0.50, 0.04, 0.00, 0.00
HSL	185°, 100%, 75%
HSV	185°, 50%, 100%
XYZ	59.3012, 76.5106, 106.2338
YIQ	210.5700, -72.6670, -21.1710

Conversions

Conversions Part 2

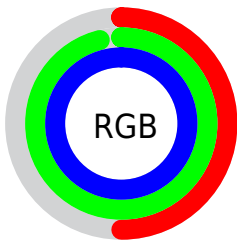
Format	Color
R_{YB}	128, 189, 255
Decimal	8451327
CIE _{Lab}	90.10, -30.06, -15.44
CIE _{LCh}	90, 33.797, 207.185
Yxy	76.5106, 0.2450, 0.3161
Android (android.graphics.Color)	4286641407 (0xFF80F4FF)
YUV	210.5700, 21.9040, -72.4139
Hunter-Lab	87.4703, -32.0577, -10.7792

Details

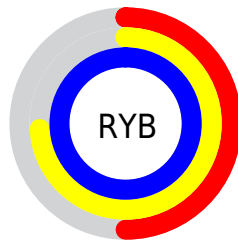
The Yxy color **76.5106, 0.2450, 0.3161** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.2781, 0.4486, 0.3407**, and the grayscale version is **64.7350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **40.6746, 0.2302, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **73.4595, 0.2356, 0.3131**, and if you desaturate by 10%, it is **80.0802, 0.2561, 0.3190**.

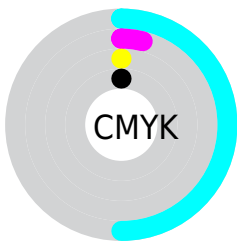
Distribution



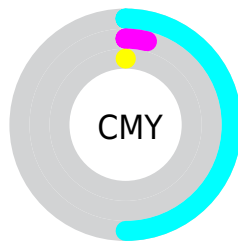
- Red (50%)
- Green (96%)
- Blue (100%)



- 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 76.5106, 0.2450, 0.3161 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 76.5106, 0.2450, 0.3161 by changing the saturation by 10% instead.


 76.5106, 0.2450,
0.3161

 76.5106, 0.2450,
0.3161


483.0938, 0.2753,
0.3228

 56.8513, 0.2384,
0.3144

 128.4484, 0.2553,
0.3186

 40.8859, 0.2303,
0.3122


 161.4957, 0.2593,
0.3195

 28.2299, 0.2204,
0.3093


 199.7745, 0.2629,
0.3203

 18.4990, 0.2077,
0.3054

243.6690, 0.2660,
0.3209

 11.3089, 0.1913,
0.2997

293.5639, 0.2687,
0.3215

 6.2750, 0.1691,
0.2911

349.8434, 0.2711,

 3.0130, 0.1380,

0.3220

0.2765

412.8919, 0.2733,
0.3224

■ 1.1385, 0.0735,
0.2546

■ 0.0106, 0.0000,
0.0096

■ 76.5106, 0.2450,
0.3161

■ 76.5106, 0.2450,
0.3161

■ 73.4595, 0.2356,
0.3131

■ 80.0802, 0.2561,
0.3190

■ 70.8800, 0.2282,
0.3101

■ 84.1934, 0.2688,
0.3218

■ 68.7317, 0.2227,
0.3071

■ 88.8844, 0.2827,
0.3244

■ 66.9627, 0.2191,
0.3041

■ 94.1817, 0.2976,
0.3268

■ 65.4903, 0.2170,
0.3012

99.9988, 0.3127,
0.3290

■ 65.4614, 0.2170,
0.3011

Harmonies

Analogous

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



76.5106, 0.2683, 0.3553



76.5106, 0.2450, 0.3161



76.5106, 0.2389, 0.2841

Triad

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



76.5106, 0.2450, 0.3161



76.5106, 0.3173, 0.2787



76.5106, 0.3766, 0.3920

Complementary

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



76.5106, 0.2450, 0.3161



41.2781, 0.4486, 0.3407

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.



76.5106, 0.3923, 0.3669



76.5106, 0.2450, 0.3161



76.5106, 0.3571, 0.3034

Square

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



76.5106, 0.2450, 0.3161



76.5106, 0.2786, 0.2653



76.5106, 0.3853, 0.3349



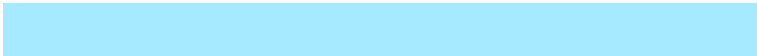
76.5106, 0.3440, 0.4012

Rectangle

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



76.5106, 0.2450, 0.3161



76.5106, 0.2448, 0.2707



76.5106, 0.3853, 0.3349



76.5106, 0.3841, 0.3849

Sweetspot

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



76.5135, 0.2450, 0.3161



91.3616, 0.2897, 0.3256



77.9511, 0.3006, 0.4754



19.3196, 0.2866, 0.3250



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

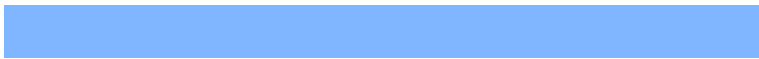
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5135, 0.2450, 0.3161



73.4136, 0.2355, 0.3131



44.8232, 0.2297, 0.2369



20.1969, 0.2980, 0.3269



34.3219, 0.2171, 0.3016



3.4175, 0.2181, 0.3050

Inverse Universe

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



43.2305, 0.3280, 0.2172



37.1599, 0.3317, 0.1988



65.0935, 0.4120, 0.4047



18.2717, 0.3151, 0.3076



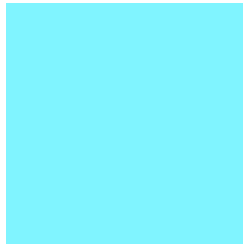
14.1928, 0.3440, 0.1669



1.3895, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 76.5106, 0.2450, 0.3161 looks on a white background.

Color Contrast Check

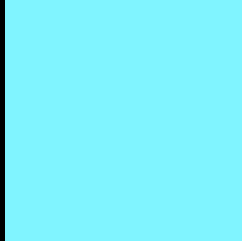
Large Text (above 18pt) WCAG AA × Fail

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 76.5106, 0.2450, 0.3161 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 76.5106, 0.2450, 0.3161

Background



This preview shows how black text looks on a background with the Yxy color 76.5106, 0.2450, 0.3161.

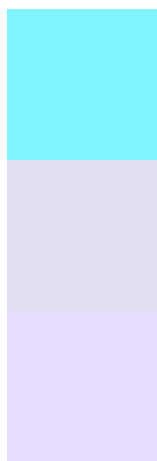


This preview shows how white text looks on a background with the Yxy color 76.5106, 0.2450, 0.3161.

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

76.5106, 0.2450, 0.3161

Protanopia

75.5694, 0.3013, 0.3101

Deuteranopia

75.7559, 0.2973, 0.2942



Tritanopia

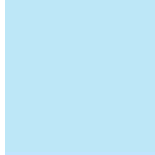
76.1211, 0.2565, 0.3108

Trichromacy



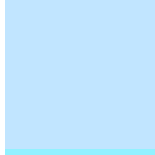
Original Color

76.5106, 0.2450, 0.3161



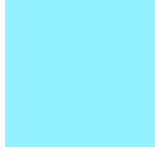
Protanomaly

74.6860, 0.2765, 0.3113



Deuteranomaly

74.5961, 0.2744, 0.3007



Tritanomaly

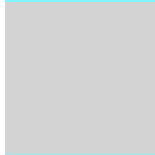
76.2416, 0.2518, 0.3129

Monochromacy



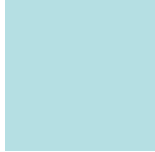
Original Color

76.5106, 0.2450, 0.3161



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 76.5106, 0.2450, 0.3161 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, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.5106, 0.2450, 0.3161 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, 244, 255) }
```

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

```
.border{ border-color:rgb(128, 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(128, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5106, 0.2450, 0.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 244, 255) }
```

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

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