

Converting Colors

$Y_{xy}(100.0000, 0.1862, 0.1643)$

Have a look what the booklet for
Yxy(100.0000, 0.1862, 0.1643)
contains.

Yxy(77.8655, 0.2406, 0.3206)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.8655, 0.2406, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	71F8FF
RGB	113, 248, 255
RGB Percent	44%, 97%, 100%
CMY	0.5566, 0.0275, 0.0000
CMYK	0.56, 0.03, 0.00, 0.00
HSL	183°, 100%, 72%
HSV	183°, 56%, 100%
XYZ	58.4356, 77.8655, 106.5732
YIQ	208.4330, -82.7070, -26.4430

Conversions

Conversions Part 2

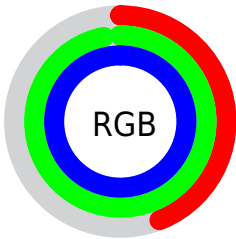
Format	Color
R_{YB}	113, 182, 255
Decimal	7469311
CIE _{Lab}	90.72, -34.84, -14.58
CIE _{LCh}	91, 37.764, 202.708
Yxy	77.8655, 0.2406, 0.3206
Android (android.graphics.Color)	4285659391 (0xFF71F8FF)
YUV	208.4330, 22.9575, -83.6947
Hunter-Lab	88.2414, -36.2156, -9.8383

Details

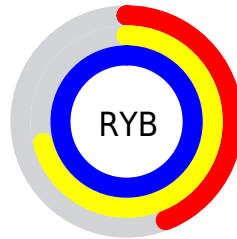
The Yxy color **77.8655, 0.2406, 0.3206** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **35.9038, 0.4773, 0.3364**, and the grayscale version is **63.2718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **41.7139, 0.2253, 0.3180** is the 20% darker color. If you saturate the color by 10%, you get **75.6344, 0.2328, 0.3189**, and if you desaturate by 10%, it is **80.5802, 0.2503, 0.3223**.

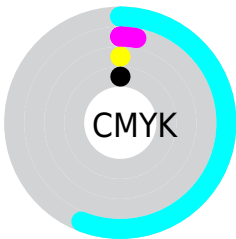
Distribution



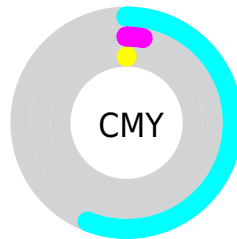
- Red (44%)
- Green (97%)
- Blue (100%)



- Red (44%)
- Yellow (71%)
- Blue (100%)



- Cyan (56%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8655, 0.2406, 0.3206 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 77.8655, 0.2406, 0.3206 by changing the saturation by 10% instead.

 77.8655, 0.2406,
0.3206

 77.8655, 0.2406,
0.3206


487.7099, 0.2727,
0.3254


 57.9635, 0.2336,
0.3193


 130.3605, 0.2515,
0.3224

 41.7793, 0.2251,
0.3177


 163.7223, 0.2558,
0.3231

 28.9285, 0.2147,
0.3154


 202.3395, 0.2595,
0.3236

 19.0268, 0.2015,
0.3122


246.5964, 0.2628,
0.3241

 11.6896, 0.1843,
0.3076

296.8775, 0.2657,
0.3245

 6.5327, 0.1614,
0.3002

353.5672, 0.2683,

 3.1716, 0.1296,

0.3248

0.2875

417.0499, 0.2706,
0.3251

1.2220, 0.0612,
0.2695

0.0795, 0.0000,
0.0667

77.8655, 0.2406,
0.3206

77.8655, 0.2406,
0.3206

75.6344, 0.2328,
0.3189

80.5802, 0.2503,
0.3223

73.8411, 0.2270,
0.3172


83.8097, 0.2617,
0.3239


72.4393, 0.2231,
0.3156

87.5884, 0.2747,
0.3255

71.3699, 0.2209,
0.3139

91.9462, 0.2888,
0.3269

 70.9719, 0.2204,
0.3132

 96.9110, 0.3039,
0.3283

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.8655, 0.2686, 0.3646



77.8655, 0.2406, 0.3206



77.8655, 0.2311, 0.2833

Triad

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



77.8655, 0.2406, 0.3206



77.8655, 0.3108, 0.2705



77.8655, 0.3875, 0.3952

Complementary

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



77.8655, 0.2406, 0.3206



35.9038, 0.4773, 0.3364

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.



77.8655, 0.4017, 0.3653



77.8655, 0.2406, 0.3206



77.8655, 0.3558, 0.2960

Square

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



77.8655, 0.2406, 0.3206



77.8655, 0.2693, 0.2580



77.8655, 0.3901, 0.3297



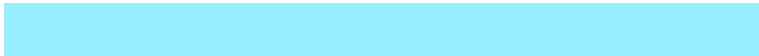
77.8655, 0.3532, 0.4093

Rectangle

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



77.8655, 0.2406, 0.3206



77.8655, 0.2357, 0.2670



77.8655, 0.3901, 0.3297



77.8655, 0.3948, 0.3864

Sweetspot

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



77.8672, 0.2406, 0.3206



91.3277, 0.2869, 0.3267



76.3383, 0.3024, 0.5036



19.3537, 0.2840, 0.3264



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.



77.8672, 0.2406, 0.3206



75.3696, 0.2319, 0.3187



43.0966, 0.2220, 0.2331



20.3187, 0.2980, 0.3278



37.1514, 0.2204, 0.3135



3.6627, 0.2209, 0.3154

Inverse Universe

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



39.8621, 0.3252, 0.2023



34.3127, 0.3278, 0.1840



58.7477, 0.4307, 0.4057



18.2840, 0.3146, 0.3067



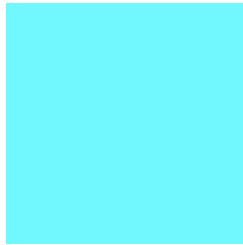
14.4784, 0.3337, 0.1612



1.4143, 0.3321, 0.1603

Previews

White Background



This preview shows how the Yxy color 77.8655, 0.2406, 0.3206 looks on a white background.

Color Contrast Check

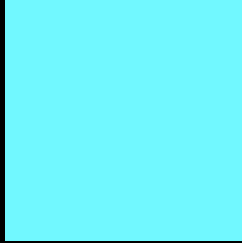
Large Text (above 18pt) WCAG AA × Fail

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 77.8655, 0.2406, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

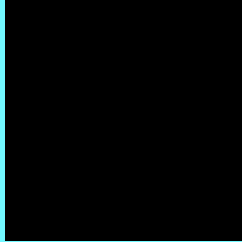
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8655, 0.2406, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 77.8655, 0.2406, 0.3206.

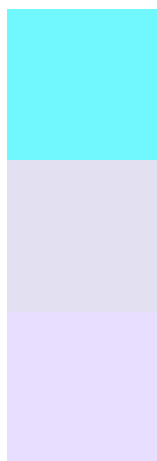


This preview shows how white text looks on a background with the Yxy color 77.8655, 0.2406, 0.3206.

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

77.8655, 0.2406, 0.3206

Protanopia

76.5322, 0.3039, 0.3123

Deuteranopia

76.6184, 0.2986, 0.2954



Tritanopia

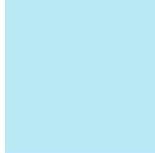
77.7077, 0.2587, 0.3132

Trichromacy



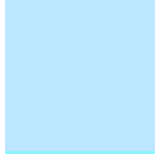
Original Color

77.8655, 0.2406, 0.3206



Protanomaly

75.3708, 0.2755, 0.3145



Deuteranomaly

75.1906, 0.2722, 0.3027



Tritanomaly

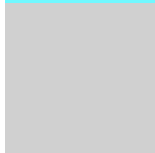
77.8507, 0.2515, 0.3163

Monochromacy



Original Color

77.8655, 0.2406, 0.3206



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.0958, 0.2784, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8655, 0.2406, 0.3206 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(113, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 248, 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(113, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.8655, 0.2406, 0.3206 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(113, 248, 255) }
```

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

```
.border{ border-color:rgb(113, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8655, 0.2406, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 248, 255) }
```

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

```
.background{ background-color: rgb(113,  
248, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor