

Converting Colors

$Yxy(78.9785, 0.2457, 0.3209)$

Have a look what the booklet for
Yxy(78.9785, 0.2457, 0.3209)
contains.

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Color

Yxy(78.8668, 0.2455, 0.3207)

Conversions

Conversions Part 1

Format	Color
Hex	7FF8FF
RGB	127, 248, 255
RGB Percent	50%, 97%, 100%
CMY	0.5020, 0.0274, 0.0000
CMYK	0.50, 0.03, 0.00, 0.00
HSL	183°, 100%, 75%
HSV	183°, 50%, 100%
XYZ	60.3736, 78.8668, 106.6804
YIQ	212.6190, -74.3630, -23.4750

Conversions

Conversions Part 2

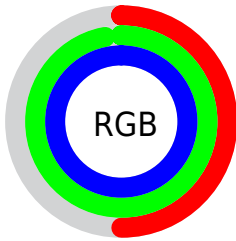
Format	Color
R_{YB}	127, 189, 255
Decimal	8386815
CIE _{Lab}	91.17, -32.15, -13.86
CIE _{LCh}	91, 35.011, 203.320
Yxy	78.8668, 0.2455, 0.3207
Android (android.graphics.Color)	4286576895 (0xFF7FF8FF)
YUV	212.6190, 20.8938, -75.0879
Hunter-Lab	88.8070, -34.0628, -9.0579

Details

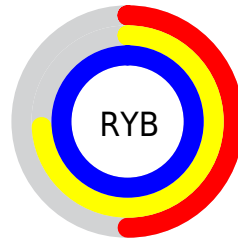
The Yxy color **78.8668, 0.2455, 0.3207** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.8409, 0.4527, 0.3366**, and the grayscale version is **66.1662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **42.3309, 0.2311, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **76.2968, 0.2366, 0.3189**, and if you desaturate by 10%, it is **81.9395, 0.2562, 0.3226**.

Distribution



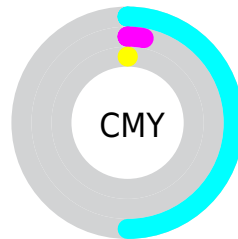
- Red (50%)
- Green (97%)
- Blue (100%)



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



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8668, 0.2455, 0.3207 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 78.8668, 0.2455, 0.3207 by changing the saturation by 10% instead.


 78.8668, 0.2455,
0.3207

 78.8668, 0.2455,
0.3207


491.1056, 0.2754,
0.3253

 58.7863, 0.2390,
0.3195


 131.7713, 0.2556,
0.3224

 42.4411, 0.2311,
0.3179


 165.3641, 0.2596,
0.3231

 29.4469, 0.2213,
0.3158

 204.2298, 0.2631,
0.3236

 19.4191, 0.2089,
0.3129

248.7528, 0.2662,
0.3240

 11.9735, 0.1928,
0.3086

299.3175, 0.2689,
0.3244

 6.7256, 0.1712,
0.3019


356.3083, 0.2713,


 3.2911, 0.1409,

0.3248

0.2903


420.1095, 0.2735,
0.3250


 1.2855, 0.0828,
0.2722


 0.1300, 0.0000,
0.1041

 78.8668, 0.2455,
0.3207


 78.8668, 0.2455,
0.3207

 76.2968, 0.2366,
0.3189


 81.9395, 0.2562,
0.3226


 74.1900, 0.2297,
0.3170

 85.5476, 0.2686,
0.3243

 72.5030, 0.2247,
0.3151

 89.7227, 0.2822,
0.3260

 71.1838, 0.2215,
0.3133

 94.4936, 0.2970,
0.3275

■ 70.1647, 0.2199,
0.3115

99.8870, 0.3124,
0.3290

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.



78.8668, 0.2713, 0.3610



78.8668, 0.2455, 0.3207



78.8668, 0.2369, 0.2864

Triad

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



78.8668, 0.2455, 0.3207



78.8668, 0.3120, 0.2750



78.8668, 0.3814, 0.3909

Complementary

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



78.8668, 0.2455, 0.3207



39.8409, 0.4527, 0.3366

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.



78.8668, 0.3948, 0.3637



78.8668, 0.2455, 0.3207



78.8668, 0.3534, 0.2990

Square

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



78.8668, 0.2455, 0.3207



78.8668, 0.2733, 0.2631



78.8668, 0.3845, 0.3306



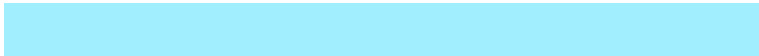
78.8668, 0.3496, 0.4030

Rectangle

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



78.8668, 0.2455, 0.3207



78.8668, 0.2414, 0.2713



78.8668, 0.3845, 0.3306



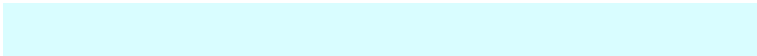
78.8668, 0.3883, 0.3830

Sweetspot

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



78.8673, 0.2455, 0.3207



92.1263, 0.2898, 0.3268



77.7361, 0.3024, 0.4820



19.5059, 0.2867, 0.3265



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

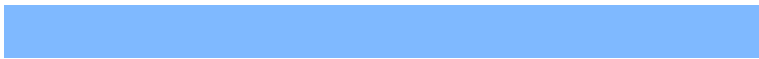
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8673, 0.2455, 0.3207



76.3430, 0.2368, 0.3189



46.2616, 0.2301, 0.2415



20.3012, 0.2980, 0.3276



36.7363, 0.2200, 0.3118



3.6268, 0.2205, 0.3139

Inverse Universe

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



43.2151, 0.3245, 0.2132



37.4556, 0.3270, 0.1953



62.9058, 0.4153, 0.4011



18.2822, 0.3146, 0.3068



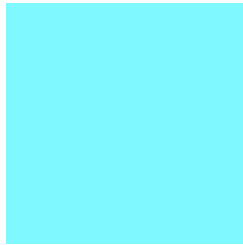
14.4365, 0.3351, 0.1620



1.4107, 0.3334, 0.1610

Previews

White Background



This preview shows how the Yxy color 78.8668, 0.2455, 0.3207 looks on a white background.

Color Contrast Check

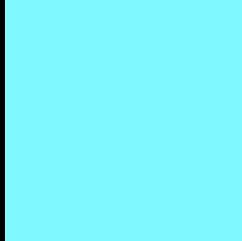
Large Text (above 18pt) WCAG AA × Fail

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 78.8668, 0.2455, 0.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

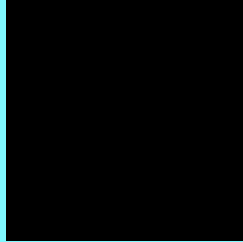
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.8668, 0.2455, 0.3207

Background



This preview shows how black text looks on a background with the Yxy color 78.8668, 0.2455, 0.3207.

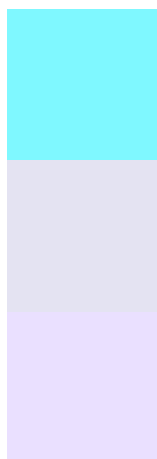


This preview shows how white text looks on a background with the Yxy color 78.8668, 0.2455, 0.3207.

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

78.8668, 0.2455, 0.3207

Protanopia

77.8430, 0.3039, 0.3134

Deuteranopia

78.0237, 0.2999, 0.2976



Tritanopia

78.5656, 0.2627, 0.3133

Trichromacy



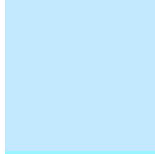
Original Color

78.8668, 0.2455, 0.3207



Protanomaly

77.2084, 0.2780, 0.3158



Deuteranomaly

77.0999, 0.2759, 0.3052



Tritanomaly

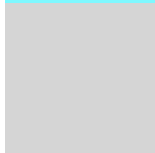
78.7914, 0.2560, 0.3165

Monochromacy



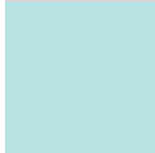
Original Color

78.8668, 0.2455, 0.3207



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

69.9392, 0.2825, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8668, 0.2455, 0.3207 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(127, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.8668, 0.2455, 0.3207 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(127, 248, 255) }
```

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

```
.border{ border-color:rgb(127, 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(127, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8668, 0.2455, 0.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 248, 255) }
```

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

```
.background{ background-color: rgb(127,  
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](#).

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