

Converting Colors

$Yxy(78.0786, 0.2493, 0.3177)$

Have a look what the booklet for
Yxy(78.0786, 0.2493, 0.3177)
contains.

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Color

Yxy(77.9281, 0.2492, 0.3174)

Conversions

Conversions Part 1

Format	Color
Hex	8AF5FF
RGB	138, 245, 255
RGB Percent	54%, 96%, 100%
CMY	0.4587, 0.0392, 0.0001
CMYK	0.46, 0.04, 0.00, 0.00
HSL	185°, 100%, 77%
HSV	185°, 46%, 100%
XYZ	61.1836, 77.9281, 106.4084
YIQ	214.1470, -66.9820, -19.5740

Conversions

Conversions Part 2

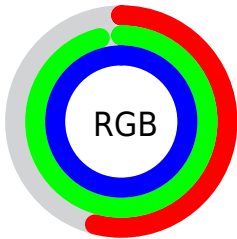
Format	Color
RYB	138, 194, 255
Decimal	9106943
CIELab	90.75, -28.40, -14.43
CIELCh	91, 31.851, 206.932
Yxy	77.9281, 0.2492, 0.3174
Android (android.graphics.Color)	4287297023 (0xFF8AF5FF)
YUV	214.1470, 20.1405, -66.7809
Hunter-Lab	88.2769, -30.7684, -9.6740

Details

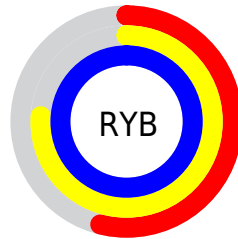
The Yxy color **77.9281, 0.2492, 0.3174** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.2735, 0.4329, 0.3397**, and the grayscale version is **67.2497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **41.6214, 0.2354, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **74.6964, 0.2391, 0.3145**, and if you desaturate by 10%, it is **81.6918, 0.2610, 0.3202**.

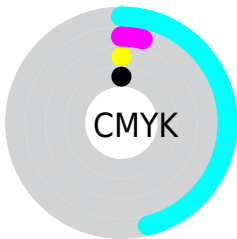
Distribution



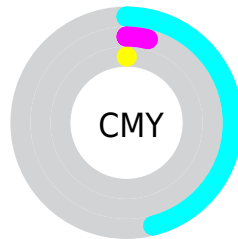
- Red (54%)
- Green (96%)
- Blue (100%)



- Red (54%)
- Yellow (76%)
- Blue (100%)



- Cyan (46%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9281, 0.2492, 0.3174 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 77.9281, 0.2492, 0.3174 by changing the saturation by 10% instead.

 77.9281, 0.2492,
0.3174

 77.9281, 0.2492,
0.3174


487.9226, 0.2775,
0.3234

 58.0149, 0.2430,
0.3159


 130.4488, 0.2588,
0.3196

 41.8206, 0.2354,
0.3139

 163.8250, 0.2626,
0.3204

 28.9609, 0.2261,
0.3114

202.4578, 0.2659,
0.3211

 19.0512, 0.2143,
0.3079

246.7314, 0.2688,
0.3217

 11.7073, 0.1988,
0.3029

297.0303, 0.2714,
0.3222

 6.5447, 0.1779,
0.2952

353.7389, 0.2737,

 3.1790, 0.1484,

0.3227

417.2415, 0.2757,
0.3231

0.2825

1.2259, 0.0934,
0.2617

0.0827, 0.0000,
0.0696

77.9281, 0.2492,
0.3174

77.9281, 0.2492,
0.3174

74.6964, 0.2391,
0.3145

81.6918, 0.2610,
0.3202

71.9513, 0.2309,
0.3115

86.0112, 0.2741,
0.3229

69.6548, 0.2247,
0.3086

90.9194, 0.2884,
0.3254

67.7589, 0.2204,
0.3056

96.4442, 0.3036,
0.3277

■ 66.2040, 0.2178,
0.3027

99.9989, 0.3127,
0.3290

■ 65.6251, 0.2171,
0.3015

Harmonies

Analogous

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



77.9281, 0.2713, 0.3539



77.9281, 0.2492, 0.3174



77.9281, 0.2432, 0.2872

Triad

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



77.9281, 0.2492, 0.3174



77.9281, 0.3168, 0.2815



77.9281, 0.3729, 0.3880

Complementary

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



77.9281, 0.2492, 0.3174



44.2735, 0.4329, 0.3397

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.



77.9281, 0.3873, 0.3646



77.9281, 0.2492, 0.3174



77.9281, 0.3540, 0.3048

Square

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



77.9281, 0.2492, 0.3174



77.9281, 0.2805, 0.2690



77.9281, 0.3805, 0.3345



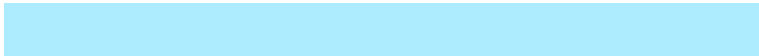
77.9281, 0.3425, 0.3964

Rectangle

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



77.9281, 0.2492, 0.3174



77.9281, 0.2488, 0.2744



77.9281, 0.3805, 0.3345



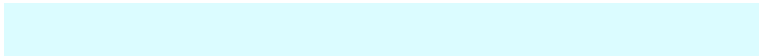
77.9281, 0.3798, 0.3814

Sweetspot

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



77.9311, 0.2492, 0.3174



91.9185, 0.2912, 0.3259



79.0451, 0.3014, 0.4621



19.4313, 0.2880, 0.3253



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

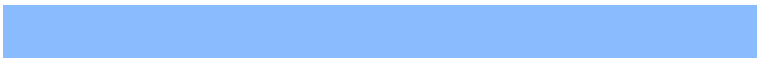
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9311, 0.2492, 0.3174



74.9691, 0.2399, 0.3148



48.0621, 0.2363, 0.2455



20.2006, 0.2980, 0.3269



34.4061, 0.2172, 0.3020



3.4249, 0.2182, 0.3053

Inverse Universe

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



46.0336, 0.3265, 0.2250



39.9376, 0.3298, 0.2073



67.3556, 0.4026, 0.3991



18.2721, 0.3151, 0.3075



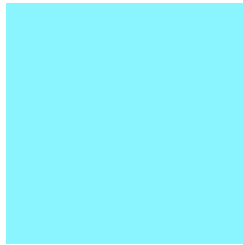
14.2013, 0.3437, 0.1667



1.3903, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 77.9281, 0.2492, 0.3174 looks on a white background.

Color Contrast Check

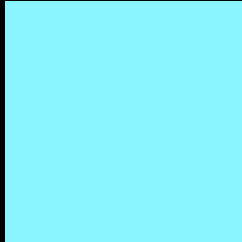
Large Text (above 18pt) WCAG AA × Fail

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 77.9281, 0.2492, 0.3174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

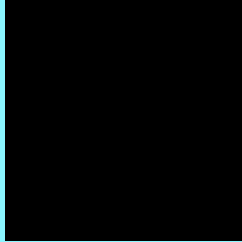
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.9281, 0.2492, 0.3174

Background



This preview shows how black text looks on a background with the Yxy color 77.9281, 0.2492, 0.3174.

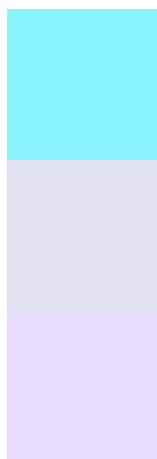


This preview shows how white text looks on a background with the Yxy color 77.9281, 0.2492, 0.3174.

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

77.9281, 0.2492, 0.3174

Protanopia

77.1947, 0.3026, 0.3113

Deuteranopia

76.7862, 0.2993, 0.2955



Tritanopia

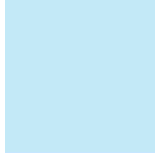
77.7557, 0.2615, 0.3122

Trichromacy



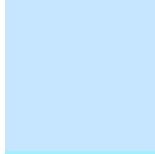
Original Color

77.9281, 0.2492, 0.3174



Protanomaly

76.5953, 0.2802, 0.3137



Deuteranomaly

75.8194, 0.2774, 0.3020



Tritanomaly

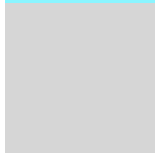
77.7922, 0.2565, 0.3142

Monochromacy



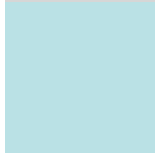
Original Color

77.9281, 0.2492, 0.3174



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

69.9467, 0.2843, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9281, 0.2492, 0.3174 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(138, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 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(138, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.9281, 0.2492, 0.3174 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(138, 245, 255) }
```

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

```
.border{ border-color:rgb(138, 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(138, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9281, 0.2492, 0.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 245, 255) }
```

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

```
.background{ background-color: rgb(138,  
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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