

Converting Colors

$Yxy(77.7858, 0.2531, 0.3156)$

Have a look what the booklet for
Yxy(77.7858, 0.2531, 0.3156)
contains.

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Color

Yxy(77.6171, 0.2531, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	94F3FF
RGB	148, 243, 255
RGB Percent	58%, 95%, 100%
CMY	0.4192, 0.0471, 0.0000
CMYK	0.42, 0.05, 0.00, 0.00
HSL	187°, 100%, 79%
HSV	187°, 42%, 100%
XYZ	62.3252, 77.6171, 106.3049
YIQ	215.9630, -60.4720, -16.4080

Conversions

Conversions Part 2

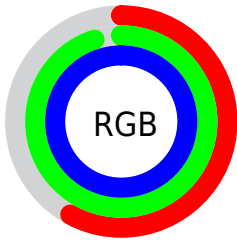
Format	Color
RYB	148, 198, 255
Decimal	9761791
CIELab	90.60, -25.12, -14.61
CIElCh	91, 29.054, 210.183
Yxy	77.6171, 0.2531, 0.3152
Android (android.graphics.Color)	4287951871 (0xFF94F3FF)
YUV	215.9630, 19.2452, -59.6036
Hunter-Lab	88.1006, -27.8994, -9.8708

Details

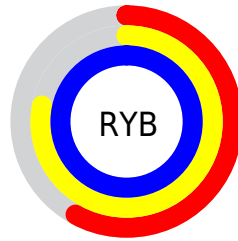
The Yxy color **77.6171, 0.2531, 0.3152** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.5779, 0.4166, 0.3419**, and the grayscale version is **68.5554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **41.7915, 0.2406, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **73.7953, 0.2420, 0.3114**, and if you desaturate by 10%, it is **81.9953, 0.2657, 0.3189**.

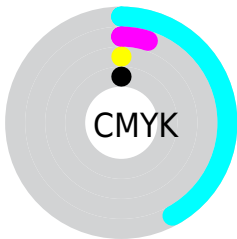
Distribution



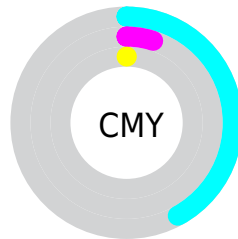
- Red (58%)
- Green (95%)
- Blue (100%)



- Red (58%)
- Yellow (78%)
- Blue (100%)



- Cyan (42%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6171, 0.2531, 0.3152 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 77.6171, 0.2531, 0.3152 by changing the saturation by 10% instead.


 77.6171, 0.2531,
0.3152


 77.6171, 0.2531,
0.3152

486.8655, 0.2798,
0.3221

 57.7595, 0.2472,
0.3135


 130.0102, 0.2622,
0.3177

 41.6153, 0.2401,
0.3113


 163.3145, 0.2657,
0.3187

 28.8002, 0.2313,
0.3085

201.8698, 0.2689,
0.3195

 18.9297, 0.2201,
0.3047

246.0605, 0.2716,
0.3201

 11.6195, 0.2054,
0.2993

296.2711, 0.2740,
0.3207

 6.4852, 0.1854,
0.2912

352.8858, 0.2761,

 3.1423, 0.1570,

0.3213

0.2779

416.2892, 0.2780,
0.3217

1.2065, 0.1065,
0.2556

0.0670, 0.0000,
0.0574

77.6171, 0.2531,
0.3152

77.6171, 0.2531,
0.3152

73.7953, 0.2420,
0.3114

81.9953, 0.2657,
0.3189

70.4863, 0.2327,
0.3075

86.9529, 0.2795,
0.3223

67.6539, 0.2253,
0.3035

92.5220, 0.2943,
0.3255

65.2532, 0.2199,
0.2996

98.7298, 0.3097,
0.3285

■ 63.2299, 0.2164,
0.2956

100.0000, 0.3127,
0.3290

■ 61.8057, 0.2146,
0.2925

Harmonies

Analogous

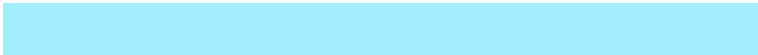
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6171, 0.2721, 0.3482



77.6171, 0.2531, 0.3152



77.6171, 0.2493, 0.2886

Triad

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



77.6171, 0.2531, 0.3152



77.6171, 0.3204, 0.2872



77.6171, 0.3654, 0.3847

Complementary

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



77.6171, 0.2531, 0.3152



48.5779, 0.4166, 0.3419

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.



77.6171, 0.3803, 0.3646



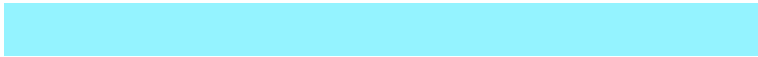
77.6171, 0.2531, 0.3152



77.6171, 0.3537, 0.3096

Square

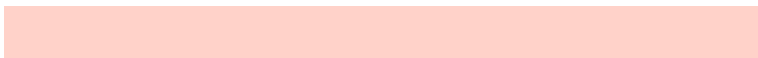
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6171, 0.2531, 0.3152



77.6171, 0.2866, 0.2745



77.6171, 0.3761, 0.3373



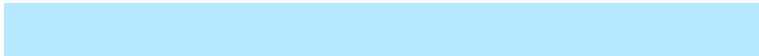
77.6171, 0.3365, 0.3901

Rectangle

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



77.6171, 0.2531, 0.3152



77.6171, 0.2555, 0.2777



77.6171, 0.3761, 0.3373



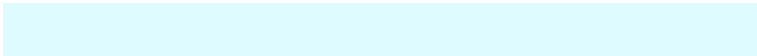
77.6171, 0.3723, 0.3793

Sweetspot

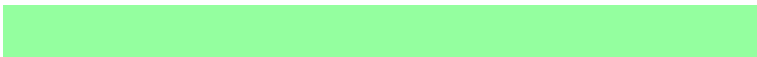
The Sweet Spot groups the original color and five complimentary colors.



77.6200, 0.2531, 0.3152



91.8929, 0.2927, 0.3252



80.3202, 0.3014, 0.4465



19.3974, 0.2894, 0.3245



0.0000, 0.0000, 0.0000



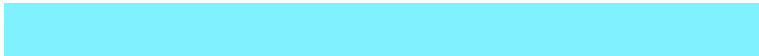
21.4041, 0.3127, 0.3290

Same Dimension

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



77.6200, 0.2531, 0.3152



74.4902, 0.2440, 0.3121



50.7230, 0.2427, 0.2518



20.1123, 0.2980, 0.3263



32.4344, 0.2148, 0.2932



3.2531, 0.2160, 0.2976

Inverse Universe

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



48.9392, 0.3276, 0.2357



42.8998, 0.3311, 0.2195



70.6065, 0.3926, 0.3949



18.2631, 0.3155, 0.3082



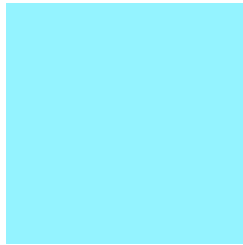
14.0022, 0.3515, 0.1710



1.3729, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 77.6171, 0.2531, 0.3152 looks on a white background.

Color Contrast Check

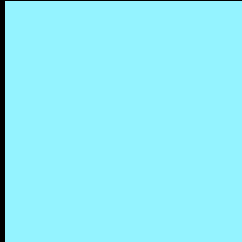
Large Text (above 18pt) WCAG AA × Fail

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 77.6171, 0.2531, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

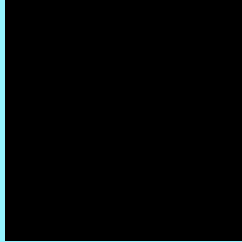
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6171, 0.2531, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 77.6171, 0.2531, 0.3152.

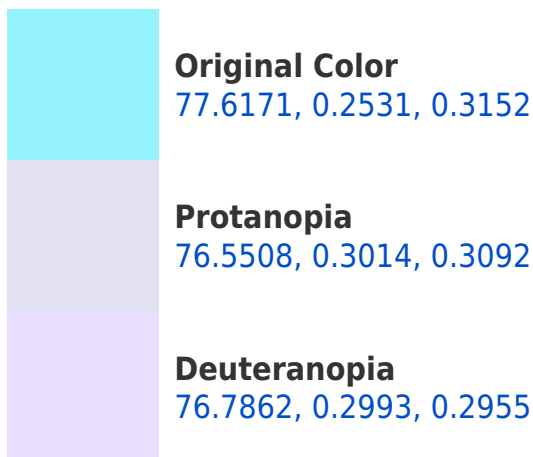


This preview shows how white text looks on a background with the Yxy color 77.6171, 0.2531, 0.3152.

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





Tritanopia

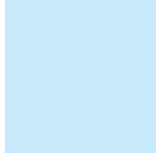
77.3880, 0.2624, 0.3111

Trichromacy



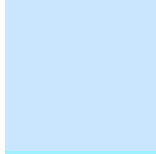
Original Color

77.6171, 0.2531, 0.3152



Protanomaly

76.4963, 0.2814, 0.3116



Deuteranomaly

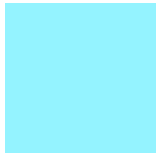
76.3702, 0.2798, 0.3022



Tritanomaly

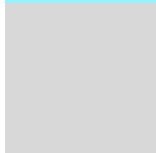
77.1172, 0.2586, 0.3120

Monochromacy



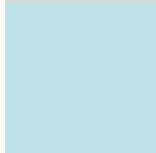
Original Color

77.6171, 0.2531, 0.3152



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

71.1822, 0.2869, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6171, 0.2531, 0.3152 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(148, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 243, 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(148, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.6171, 0.2531, 0.3152 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(148, 243, 255) }
```

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

```
.border{ border-color:rgb(148, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6171, 0.2531, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 243, 255) }
```

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

```
.background{ background-color: rgb(148,  
243, 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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