

Converting Colors

$Yxy(77.8355, 0.2580, 0.3180)$

Have a look what the booklet for
Yxy(77.8355, 0.2580, 0.3180)
contains.

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Color

Yxy(77.6005, 0.2579, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	9CF2FC
RGB	156, 242, 252
RGB Percent	61%, 95%, 99%
CMY	0.3883, 0.0510, 0.0116
CMYK	0.38, 0.04, 0.00, 0.01
HSL	186°, 94%, 80%
HSV	186°, 38%, 99%
XYZ	63.0336, 77.6005, 103.7769
YIQ	217.4260, -54.4660, -15.1220

Conversions

Conversions Part 2

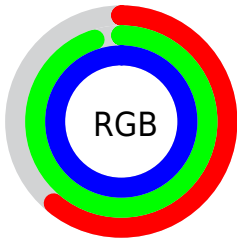
Format	Color
R _Y B	156, 201, 252
Decimal	10285820
CIE Lab	90.60, -23.44, -13.04
CIE LCh	91, 26.823, 209.076
Yxy	77.6005, 0.2579, 0.3175
Android (android.graphics.Color)	4288475900 (0xFF9CF2FC)
YUV	217.4260, 17.0450, -53.8706
Hunter-Lab	88.0911, -26.4339, -8.1836

Details

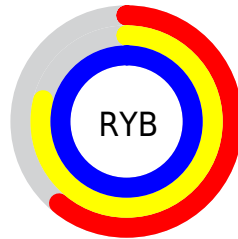
The Yxy color **77.6005, 0.2579, 0.3175** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.3763, 0.4035, 0.3400**, and the grayscale version is **69.6041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **41.7106, 0.2462, 0.3154** is the 20% darker color. If you saturate the color by 10%, you get **73.7901, 0.2463, 0.3140**, and if you desaturate by 10%, it is **81.9611, 0.2709, 0.3208**.

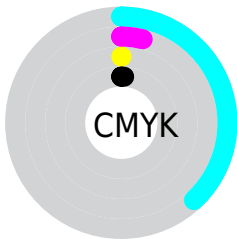
Distribution



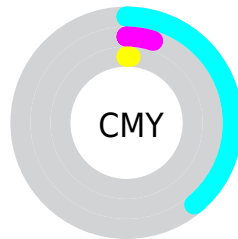
- Red (61%)
- Green (95%)
- Blue (99%)



- Red (61%)
- Yellow (79%)
- Blue (99%)



- Cyan (38%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)




- Cyan (39%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6005, 0.2579, 0.3175 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 77.6005, 0.2579, 0.3175 by changing the saturation by 10% instead.

 77.6005, 0.2579,
0.3175

 77.6005, 0.2579,
0.3175


486.8090, 0.2825,
0.3233

 57.7459, 0.2525,
0.3161


 129.9868, 0.2663,
0.3196

 41.6044, 0.2459,
0.3143


 163.2873, 0.2696,
0.3204

 28.7916, 0.2377,
0.3119


201.8384, 0.2724,
0.3211

 18.9232, 0.2272,
0.3087

246.0247, 0.2749,
0.3216

 11.6148, 0.2135,
0.3041

296.2305, 0.2772,
0.3221

 6.4820, 0.1947,
0.2972

352.8403, 0.2791,

 3.1403, 0.1676,

0.3226

0.2858

416.2383, 0.2809,
0.3230

1.2054, 0.1199,
0.2662

0.0661, 0.0000,
0.0630

77.6005, 0.2579,
0.3175

77.6005, 0.2579,
0.3175

73.7901, 0.2463,
0.3140

81.9611, 0.2709,
0.3208

70.4881, 0.2364,
0.3104

86.8926, 0.2851,
0.3239

67.6614, 0.2284,
0.3068

92.4255, 0.3001,
0.3268

65.2687, 0.2223,
0.3031

98.2439, 0.3146,
0.3295

■ 63.2614, 0.2182,
0.2995

99.8103, 0.3144,
0.3318

■ 61.5729, 0.2157,
0.2959

■ 61.2719, 0.2153,
0.2952

Harmonies

Analogous

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



77.6005, 0.2760, 0.3479



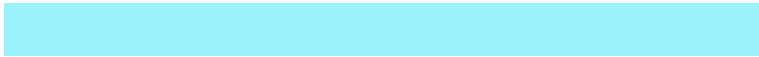
77.6005, 0.2579, 0.3175



77.6005, 0.2537, 0.2925

Triad

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



77.6005, 0.2579, 0.3175



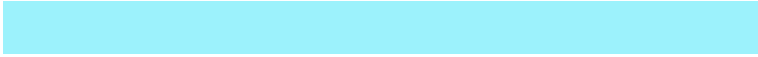
77.6005, 0.3187, 0.2896



77.6005, 0.3622, 0.3800

Complementary

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



77.6005, 0.2579, 0.3175



50.3763, 0.4035, 0.3400

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.



77.6005, 0.3753, 0.3613



77.6005, 0.2579, 0.3175



77.6005, 0.3496, 0.3102

Square

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



77.6005, 0.2579, 0.3175



77.6005, 0.2876, 0.2782



77.6005, 0.3707, 0.3359



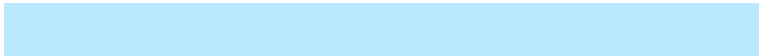
77.6005, 0.3360, 0.3854

Rectangle

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



77.6005, 0.2579, 0.3175



77.6005, 0.2592, 0.2820



77.6005, 0.3707, 0.3359



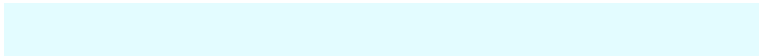
77.6005, 0.3683, 0.3750

Sweetspot

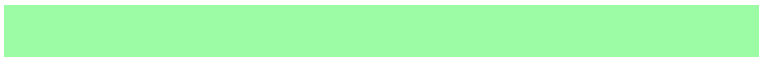
The Sweet Spot groups the original color and five complimentary colors.



77.6035, 0.2579, 0.3175



93.2087, 0.2957, 0.3260



79.4449, 0.3024, 0.4339



19.7829, 0.2937, 0.3256



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.



77.6035, 0.2579, 0.3175



76.5522, 0.2486, 0.3148



52.8587, 0.2494, 0.2602



19.2807, 0.2980, 0.3264



32.0375, 0.2155, 0.2958



3.0536, 0.2167, 0.3001

Inverse Universe

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



50.8829, 0.3254, 0.2432



45.8072, 0.3286, 0.2266



70.9978, 0.3840, 0.3889



17.4915, 0.3154, 0.3080



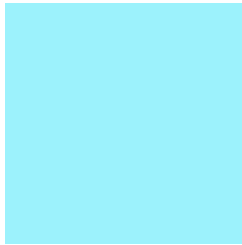
13.6451, 0.3491, 0.1697



1.2725, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 77.6005, 0.2579, 0.3175 looks on a white background.

Color Contrast Check

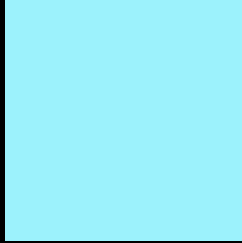
Large Text (above 18pt) WCAG AA × Fail

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 77.6005, 0.2579, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

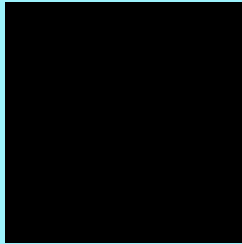
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6005, 0.2579, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 77.6005, 0.2579, 0.3175.

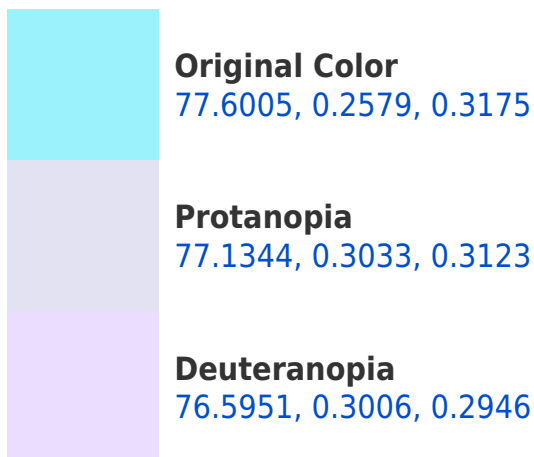


This preview shows how white text looks on a background with the Yxy color 77.6005, 0.2579, 0.3175.

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

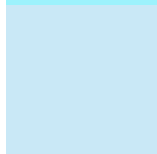
77.7237, 0.2639, 0.3112

Trichromacy



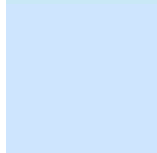
Original Color

77.6005, 0.2579, 0.3175



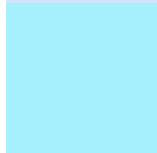
Protanomaly

76.7846, 0.2843, 0.3138



Deuteranomaly

76.3162, 0.2827, 0.3023



Tritanomaly

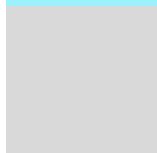
77.5829, 0.2615, 0.3132

Monochromacy



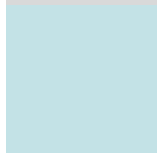
Original Color

77.6005, 0.2579, 0.3175



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.7080, 0.2895, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6005, 0.2579, 0.3175 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(156, 242, 252)` looks like.

```
.text, #text, p{  
    color:rgb(156, 242, 252)  
}
```

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(156, 242, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 242, 252) }
```

Border

The CSS property to change the border of an element to Yxy 77.6005, 0.2579, 0.3175 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(156, 242, 252) }
```

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

```
.border{ border-color:rgb(156, 242, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 242, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 242, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 242, 252);  
box-shadow:4px 4px 4px 4px rgb(156, 242,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6005, 0.2579, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 242, 252) }
```

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

```
.background{ background-color: rgb(156,  
242, 252) }
```

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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