

Converting Colors

$Yxy(77.7249, 0.2573, 0.3171)$

Have a look what the booklet for
Yxy(77.7249, 0.2573, 0.3171)
contains.

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Color

Yxy(77.5647, 0.2570, 0.3164)

Conversions

Conversions Part 1

Format	Color
Hex	9BF2FD
RGB	155, 242, 253
RGB Percent	61%, 95%, 99%
CMY	0.3920, 0.0510, 0.0078
CMYK	0.39, 0.04, 0.00, 0.01
HSL	187°, 96%, 80%
HSV	187°, 39%, 99%
XYZ	63.0029, 77.5647, 104.5800
YIQ	217.2410, -55.3830, -15.0230

Conversions

Conversions Part 2

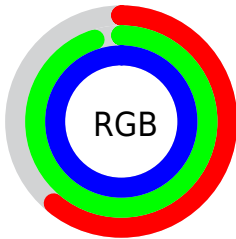
Format	Color
R_{YB}	155, 201, 253
Decimal	10220285
CIE _{Lab}	90.58, -23.44, -13.57
CIE _{LCh}	91, 27.087, 210.064
Yxy	77.5647, 0.2570, 0.3164
Android (android.graphics.Color)	4288410365 (0xFF9BF2FD)
YUV	217.2410, 17.6292, -54.5854
Hunter-Lab	88.0708, -26.4310, -8.7545

Details

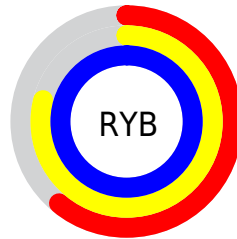
The Yxy color **77.5647, 0.2570, 0.3164** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.5344, 0.4053, 0.3410**, and the grayscale version is **69.4730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **41.7000, 0.2451, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **73.6425, 0.2454, 0.3126**, and if you desaturate by 10%, it is **82.0437, 0.2700, 0.3200**.

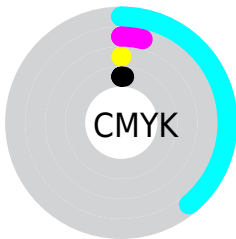
Distribution



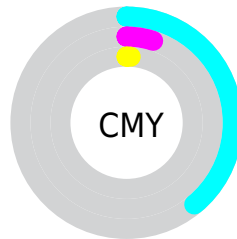
- Red (61%)
- Green (95%)
- Blue (99%)



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



- Cyan (39%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5647, 0.2570, 0.3164 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 77.5647, 0.2570, 0.3164 by changing the saturation by 10% instead.


 77.5647, 0.2570,
0.3164

 77.5647, 0.2570,
0.3164


486.6872, 0.2820,
0.3227

 57.7165, 0.2515,
0.3149


 129.9363, 0.2655,
0.3187

 41.5807, 0.2448,
0.3129

 163.2285, 0.2689,
0.3195

 28.7731, 0.2365,
0.3103


201.7707, 0.2718,
0.3203

 18.9093, 0.2259,
0.3069

245.9475, 0.2743,
0.3209

 11.6047, 0.2120,
0.3020

296.1431, 0.2766,
0.3214

 6.4751, 0.1929,
0.2946

352.7420, 0.2786,

 3.1361, 0.1657,

0.3219

0.2825

416.1286, 0.2804,
0.3223

1.2032, 0.1177,
0.2618

0.0643, 0.0000,
0.0593

77.5647, 0.2570,
0.3164

77.5647, 0.2570,
0.3164

73.6425, 0.2454,
0.3126

82.0437, 0.2700,
0.3200

70.2348, 0.2355,
0.3088

87.1005, 0.2842,
0.3234

67.3078, 0.2275,
0.3048

92.7663, 0.2992,
0.3265

64.8195, 0.2215,
0.3008

98.8331, 0.3139,
0.3293

■ 62.7201, 0.2173,
0.2969

99.8720, 0.3139,
0.3309

■ 60.9379, 0.2149,
0.2930

■ 60.7214, 0.2146,
0.2925

Harmonies

Analogous

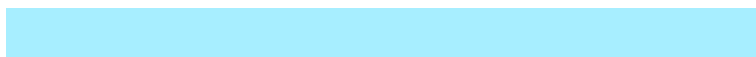
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5647, 0.2749, 0.3470



77.5647, 0.2570, 0.3164



77.5647, 0.2533, 0.2915

Triad

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



77.5647, 0.2570, 0.3164



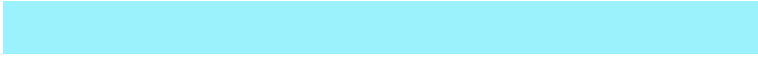
77.5647, 0.3198, 0.2898



77.5647, 0.3620, 0.3809

Complementary

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



77.5647, 0.2570, 0.3164



50.5344, 0.4053, 0.3410

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.



77.5647, 0.3757, 0.3624



77.5647, 0.2570, 0.3164



77.5647, 0.3509, 0.3108

Square

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



77.5647, 0.2570, 0.3164



77.5647, 0.2883, 0.2779



77.5647, 0.3717, 0.3369



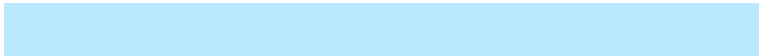
77.5647, 0.3352, 0.3858

Rectangle

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



77.5647, 0.2570, 0.3164



77.5647, 0.2591, 0.2811



77.5647, 0.3717, 0.3369



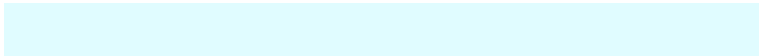
77.5647, 0.3684, 0.3760

Sweetspot

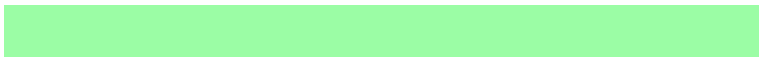
The Sweet Spot groups the original color and five complimentary colors.



77.5677, 0.2570, 0.3164



92.4784, 0.2942, 0.3255



79.9337, 0.3022, 0.4359



19.6310, 0.2922, 0.3251



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.



77.5677, 0.2570, 0.3164



75.9993, 0.2484, 0.3137



52.7442, 0.2483, 0.2588



20.1124, 0.2980, 0.3263



32.4370, 0.2148, 0.2932



3.2533, 0.2160, 0.2976

Inverse Universe

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



50.7462, 0.3263, 0.2426



45.7514, 0.3294, 0.2273



71.2491, 0.3854, 0.3899



18.2632, 0.3155, 0.3082



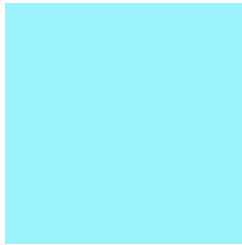
14.0025, 0.3515, 0.1710



1.3730, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 77.5647, 0.2570, 0.3164 looks on a white background.

Color Contrast Check

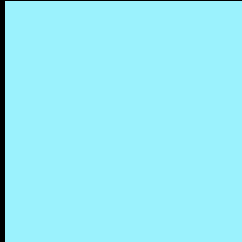
Large Text (above 18pt) WCAG AA × Fail

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 77.5647, 0.2570, 0.3164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

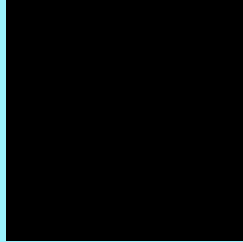
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.5647, 0.2570, 0.3164

Background



This preview shows how black text looks on a background with the Yxy color 77.5647, 0.2570, 0.3164.

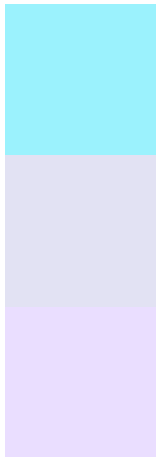


This preview shows how white text looks on a background with the Yxy color 77.5647, 0.2570, 0.3164.

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

77.5647, 0.2570, 0.3164

Protanopia

77.0325, 0.3020, 0.3112

Deuteranopia

76.9550, 0.2999, 0.2955



Tritanopia

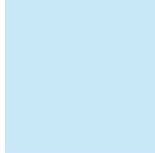
77.6109, 0.2634, 0.3111

Trichromacy



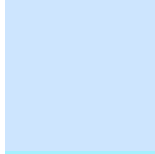
Original Color

77.5647, 0.2570, 0.3164



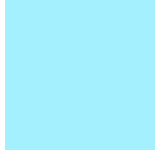
Protanomaly

76.7080, 0.2832, 0.3127



Deuteranomaly

76.1735, 0.2821, 0.3023



Tritanomaly

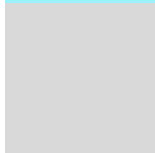
77.4753, 0.2610, 0.3132

Monochromacy



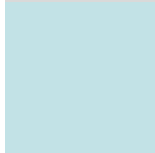
Original Color

77.5647, 0.2570, 0.3164



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.5752, 0.2889, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5647, 0.2570, 0.3164 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(155, 242, 253)` looks like.

```
.text, #text, p{  
    color:rgb(155, 242, 253)  
}
```

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(155, 242, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 242, 253) }
```

Border

The CSS property to change the border of an element to Yxy 77.5647, 0.2570, 0.3164 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(155, 242, 253) }
```

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

```
.border{ border-color:rgb(155, 242, 253) }
```

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

Here you see how a box with a 4 pixel rgb(155, 242, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 242, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 242, 253);  
box-shadow:4px 4px 4px 4px rgb(155, 242,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5647, 0.2570, 0.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 242, 253) }
```

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

```
.background{ background-color: rgb(155,  
242, 253) }
```

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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