

Converting Colors

$Yxy(77.8424, 0.2572, 0.3191)$

Have a look what the booklet for
Yxy(77.8424, 0.2572, 0.3191)
contains.

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Color

Yxy(77.9362, 0.2576, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	9AF3FB
RGB	154, 243, 251
RGB Percent	60%, 95%, 98%
CMY	0.3963, 0.0470, 0.0157
CMYK	0.39, 0.03, 0.00, 0.02
HSL	185°, 92%, 79%
HSV	185°, 39%, 98%
XYZ	62.7779, 77.9362, 102.9889
YIQ	217.3010, -55.6120, -16.3800

Conversions

Conversions Part 2

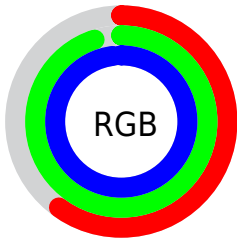
Format	Color
RYB	154, 200, 251
Decimal	10155003
CIELab	90.75, -24.69, -12.27
CIELCh	91, 27.576, 206.423
Yxy	77.9362, 0.2576, 0.3198
Android (android.graphics.Color)	4288345083 (0xFF9AF3FB)
YUV	217.3010, 16.6136, -55.5150
Hunter-Lab	88.2815, -27.5594, -7.3705

Details

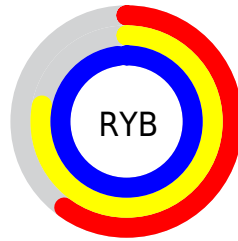
The Yxy color **77.9362, 0.2576, 0.3198** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.6446, 0.4063, 0.3378**, and the grayscale version is **69.5091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **42.0222, 0.2455, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **74.5031, 0.2463, 0.3171**, and if you desaturate by 10%, it is **81.9040, 0.2704, 0.3224**.

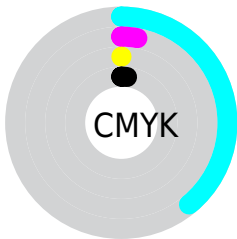
Distribution



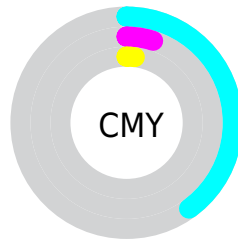
- Red (60%)
- Green (95%)
- Blue (98%)



- Red (60%)
- Yellow (78%)
- Blue (98%)



- Cyan (39%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)




- Cyan (40%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9362, 0.2576, 0.3198 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 77.9362, 0.2576, 0.3198 by changing the saturation by 10% instead.

 77.9362, 0.2576,
0.3198


 77.9362, 0.2576,
0.3198


487.9501, 0.2823,
0.3246

 58.0216, 0.2522,
0.3186


 130.4602, 0.2660,
0.3215

 41.8260, 0.2455,
0.3171


 163.8383, 0.2693,
0.3222

 28.9651, 0.2373,
0.3151


202.4731, 0.2722,
0.3227

 19.0544, 0.2268,
0.3123

246.7489, 0.2747,
0.3232

 11.7096, 0.2130,
0.3084

297.0501, 0.2770,
0.3236

 6.5463, 0.1941,
0.3023

353.7611, 0.2789,

 3.1800, 0.1670,

0.3240

0.2921

417.2663, 0.2807,
0.3243

■ 1.2264, 0.1183,
0.2747

■ 0.0831, 0.0000,
0.0806

■ 77.9362, 0.2576,
0.3198

■ 77.9362, 0.2576,
0.3198

■ 74.5031, 0.2463,
0.3171

■ 81.9040, 0.2704,
0.3224

■ 71.5632, 0.2368,
0.3143

■ 86.4269, 0.2844,
0.3249

■ 69.0834, 0.2292,
0.3114

■ 91.5354, 0.2993,
0.3272

■ 67.0226, 0.2235,
0.3086

■ 97.2549, 0.3148,
0.3293

65.3323, 0.2198,
0.3057

98.6783, 0.3151,
0.3312

63.9425, 0.2176,
0.3030

99.7442, 0.3150,
0.3328

63.7677, 0.2174,
0.3026

Harmonies

Analogous

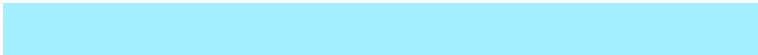
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9362, 0.2773, 0.3511



77.9362, 0.2576, 0.3198



77.9362, 0.2520, 0.2934

Triad

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



77.9362, 0.2576, 0.3198



77.9362, 0.3159, 0.2871



77.9362, 0.3653, 0.3801

Complementary

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



77.9362, 0.2576, 0.3198



48.6446, 0.4063, 0.3378

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.



77.9362, 0.3773, 0.3600



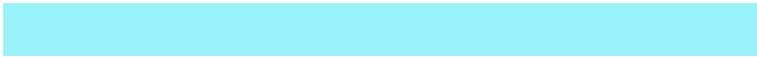
77.9362, 0.2576, 0.3198



77.9362, 0.3480, 0.3076

Square

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



77.9362, 0.2576, 0.3198



77.9362, 0.2844, 0.2765



77.9362, 0.3710, 0.3337



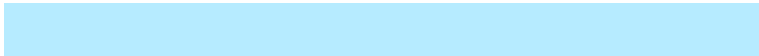
77.9362, 0.3393, 0.3871

Rectangle

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



77.9362, 0.2576, 0.3198



77.9362, 0.2567, 0.2818



77.9362, 0.3710, 0.3337



77.9362, 0.3712, 0.3745

Sweetspot

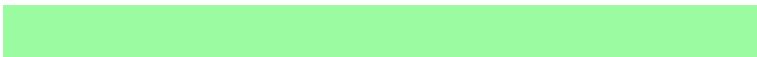
The Sweet Spot groups the original color and five complimentary colors.



77.9393, 0.2576, 0.3198



93.0585, 0.2942, 0.3264



78.4019, 0.3039, 0.4397



19.7684, 0.2923, 0.3261



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.



77.9393, 0.2576, 0.3198



78.1253, 0.2491, 0.3178



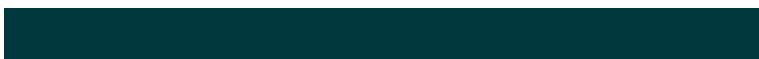
53.3034, 0.2490, 0.2630



19.3503, 0.2980, 0.3270



33.6268, 0.2175, 0.3031



3.1844, 0.2185, 0.3064

Inverse Universe

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



50.0685, 0.3238, 0.2402



45.9660, 0.3263, 0.2244



68.4047, 0.3865, 0.3866



17.4985, 0.3151, 0.3075



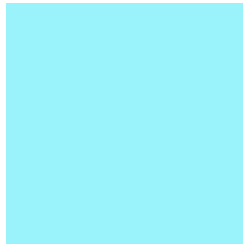
13.8056, 0.3427, 0.1662



1.2857, 0.3398, 0.1646

Previews

White Background



This preview shows how the Yxy color 77.9362, 0.2576, 0.3198 looks on a white background.

Color Contrast Check

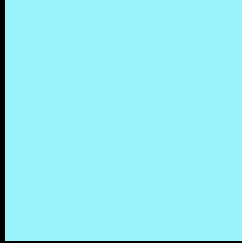
Large Text (above 18pt) WCAG AA × Fail

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 77.9362, 0.2576, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

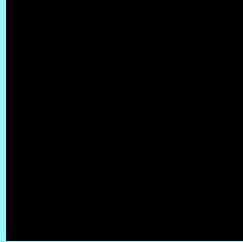
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.9362, 0.2576, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 77.9362, 0.2576, 0.3198.

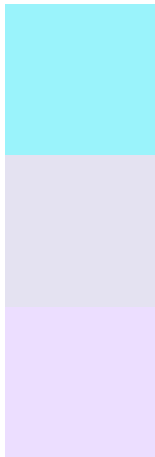


This preview shows how white text looks on a background with the Yxy color 77.9362, 0.2576, 0.3198.

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

77.9362, 0.2576, 0.3198

Protanopia

77.2376, 0.3046, 0.3134

Deuteranopia

77.2954, 0.3013, 0.2957



Tritanopia

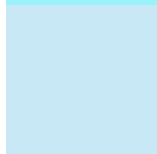
77.8372, 0.2645, 0.3112

Trichromacy



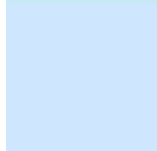
Original Color

77.9362, 0.2576, 0.3198



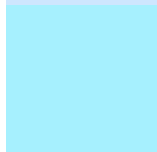
Protanomaly

76.7233, 0.2849, 0.3148



Deuteranomaly

76.8712, 0.2828, 0.3034



Tritanomaly

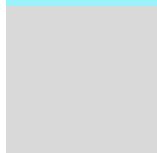
77.5829, 0.2615, 0.3132

Monochromacy



Original Color

77.9362, 0.2576, 0.3198



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.5192, 0.2894, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9362, 0.2576, 0.3198 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(154, 243, 251)` looks like.

```
.text, #text, p{  
    color:rgb(154, 243, 251)  
}
```

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(154, 243, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 243, 251) }
```

Border

The CSS property to change the border of an element to Yxy 77.9362, 0.2576, 0.3198 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(154, 243, 251) }
```

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

```
.border{ border-color:rgb(154, 243, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 243, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 243, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 243, 251);  
box-shadow:4px 4px 4px 4px rgb(154, 243,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9362, 0.2576, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 243, 251) }
```

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

```
.background{ background-color: rgb(154,  
243, 251) }
```

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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