

Converting Colors

$Yxy(77.6453, 0.2587, 0.3131)$

Have a look what the booklet for
Yxy(77.6453, 0.2587, 0.3131)
contains.

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Color

Yxy(77.7077, 0.2587, 0.3132)

Conversions

Conversions Part 1

Format	Color
Hex	A1F1FF
RGB	161, 241, 255
RGB Percent	63%, 95%, 100%
CMY	0.3690, 0.0548, 0.0000
CMYK	0.37, 0.05, 0.00, 0.00
HSL	189°, 100%, 82%
HSV	189°, 37%, 100%
XYZ	64.1858, 77.7077, 106.2154
YIQ	218.6760, -52.1740, -12.6060

Conversions

Conversions Part 2

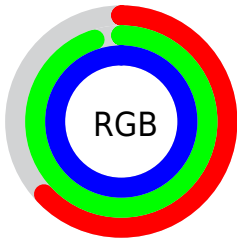
Format	Color
R_{YB}	161, 204, 255
Decimal	10613247
CIE _{Lab}	90.65, -21.01, -14.48
CIE _{LCh}	91, 25.520, 214.570
Yxy	77.7077, 0.2587, 0.3132
Android (android.graphics.Color)	4288803327 (0xFFA1F1FF)
YUV	218.6760, 17.9077, -50.5819
Hunter-Lab	88.1520, -24.2954, -9.7329

Details

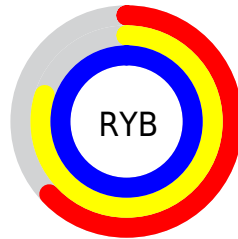
The Yxy color **77.7077, 0.2587, 0.3132** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.4345, 0.3979, 0.3440**, and the grayscale version is **70.4895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **41.7784, 0.2474, 0.3098** is the 20% darker color. If you saturate the color by 10%, you get **73.1104, 0.2464, 0.3082**, and if you desaturate by 10%, it is **82.8976, 0.2723, 0.3179**.

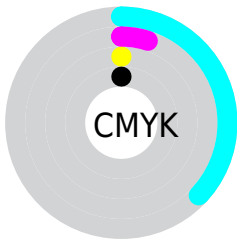
Distribution



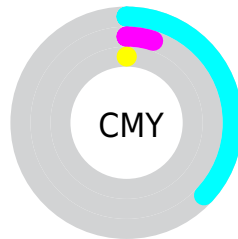
- Red (63%)
- Green (95%)
- Blue (100%)



- Red (63%)
- Yellow (80%)
- Blue (100%)



- Cyan (37%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (37%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7077, 0.2587, 0.3132 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 77.7077, 0.2587, 0.3132 by changing the saturation by 10% instead.


 77.7077, 0.2587,
0.3132

 77.7077, 0.2587,
0.3132

487.1736, 0.2829,
0.3209

 57.8339, 0.2534,
0.3113


 130.1380, 0.2669,
0.3160

 41.6751, 0.2469,
0.3090


 163.4633, 0.2702,
0.3170

 28.8470, 0.2388,
0.3060


202.0411, 0.2730,
0.3179

 18.9651, 0.2285,
0.3020

246.2560, 0.2755,
0.3187

 11.6451, 0.2150,
0.2964

296.4923, 0.2777,
0.3194

 6.5025, 0.1966,
0.2880

353.1344, 0.2796,

 3.1530, 0.1701,

0.3199

0.2746

416.5667, 0.2813,
0.3205

■ 1.2121, 0.1259,
0.2514

■ 0.0716, 0.0000,
0.0613

■ 77.7077, 0.2587,
0.3132

■ 77.7077, 0.2587,
0.3132

■ 73.1104, 0.2464,
0.3082

■ 82.8976, 0.2723,
0.3179

■ 69.0634, 0.2358,
0.3030

■ 88.7016, 0.2868,
0.3223

■ 65.5325, 0.2269,
0.2977

■ 95.1511, 0.3020,
0.3264

■ 62.4761, 0.2200,
0.2924

99.9995, 0.3127,
0.3290

■ 59.8449, 0.2151,
0.2871

■ 57.5766, 0.2119,
0.2818

■ 56.9183, 0.2112,
0.2802

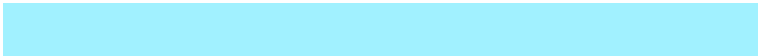
Harmonies

Analogous

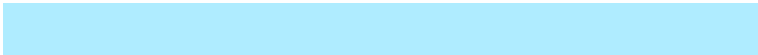
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7077, 0.2738, 0.3417



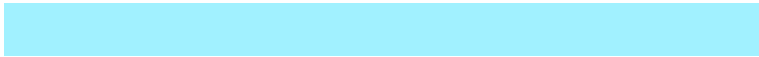
77.7077, 0.2587, 0.3132



77.7077, 0.2573, 0.2911

Triad

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



77.7077, 0.2587, 0.3132



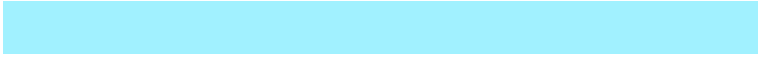
77.7077, 0.3241, 0.2945



77.7077, 0.3560, 0.3796

Complementary

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



77.7077, 0.2587, 0.3132



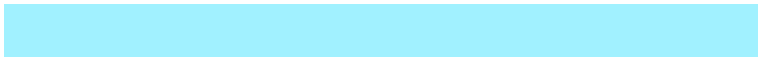
54.4345, 0.3979, 0.3440

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.



77.7077, 0.3711, 0.3638



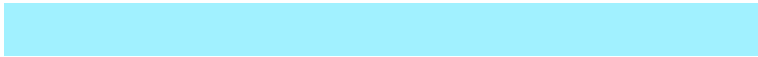
77.7077, 0.2587, 0.3132



77.7077, 0.3524, 0.3154

Square

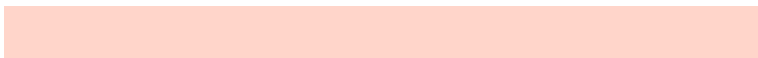
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



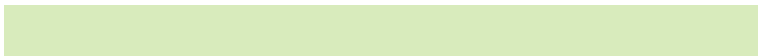
77.7077, 0.2587, 0.3132



77.7077, 0.2939, 0.2817



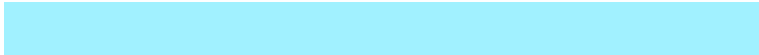
77.7077, 0.3699, 0.3403



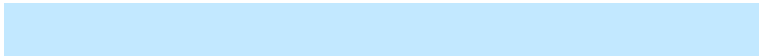
77.7077, 0.3296, 0.3817

Rectangle

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



77.7077, 0.2587, 0.3132



77.7077, 0.2642, 0.2824



77.7077, 0.3699, 0.3403



77.7077, 0.3626, 0.3756

Sweetspot

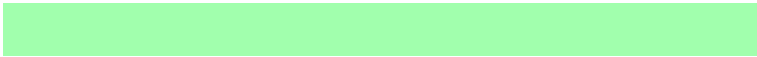
The Sweet Spot groups the original color and five complimentary colors.



77.7108, 0.2587, 0.3132



92.4349, 0.2957, 0.3248



82.1151, 0.3011, 0.4262



19.5973, 0.2936, 0.3242



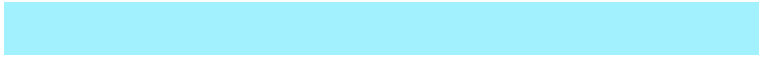
0.0000, 0.0000, 0.0000



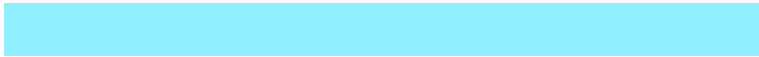
21.4041, 0.3127, 0.3290

Same Dimension

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



77.7108, 0.2587, 0.3132



74.3923, 0.2499, 0.3097



53.9943, 0.2509, 0.2589



19.9948, 0.2980, 0.3254



29.9179, 0.2114, 0.2811



3.0325, 0.2131, 0.2871

Inverse Universe

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



53.0641, 0.3284, 0.2495



47.0383, 0.3321, 0.2349



75.2718, 0.3802, 0.3900



18.2513, 0.3161, 0.3090



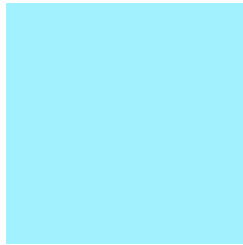
13.7482, 0.3625, 0.1771



1.3507, 0.3570, 0.1740

Previews

White Background



This preview shows how the Yxy color 77.7077, 0.2587, 0.3132 looks on a white background.

Color Contrast Check

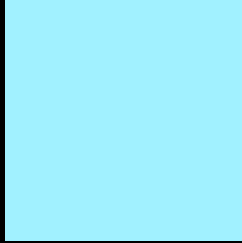
Large Text (above 18pt) WCAG AA × Fail

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 77.7077, 0.2587, 0.3132 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 77.7077, 0.2587, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 77.7077, 0.2587, 0.3132.

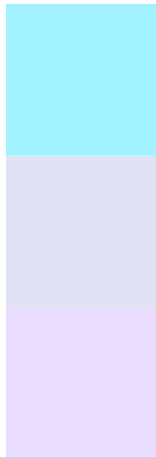


This preview shows how white text looks on a background with the Yxy color 77.7077, 0.2587, 0.3132.

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

77.7077, 0.2587, 0.3132

Protanopia

77.1540, 0.3007, 0.3092

Deuteranopia

76.7862, 0.2993, 0.2955



Tritanopia

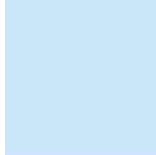
77.3677, 0.2648, 0.3101

Trichromacy



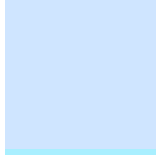
Original Color

77.7077, 0.2587, 0.3132



Protanomaly

76.5479, 0.2832, 0.3096



Deuteranomaly

76.5240, 0.2828, 0.3014



Tritanomaly

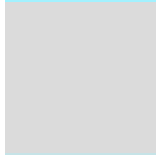
77.3880, 0.2624, 0.3111

Monochromacy



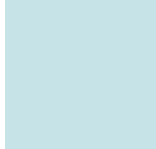
Original Color

77.7077, 0.2587, 0.3132



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

72.7701, 0.2903, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7077, 0.2587, 0.3132 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(161, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 241, 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(161, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.7077, 0.2587, 0.3132 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(161, 241, 255) }
```

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

```
.border{ border-color:rgb(161, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 241,  
255) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.7077, 0.2587, 0.3132$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 241, 255) }
```

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

```
.background{ background-color: rgb(161,  
241, 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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