

Converting Colors

$Yxy(76.8951, 0.2601, 0.3110)$

Have a look what the booklet for
Yxy(76.8951, 0.2601, 0.3110)
contains.

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Color

Yxy(76.8455, 0.2599, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	A4EFFF
RGB	164, 239, 255
RGB Percent	64%, 94%, 100%
CMY	0.3569, 0.0627, 0.0001
CMYK	0.36, 0.06, 0.00, 0.00
HSL	191°, 100%, 82%
HSV	191°, 36%, 100%
XYZ	64.2191, 76.8455, 106.0270
YIQ	218.3990, -49.8360, -10.9240

Conversions

Conversions Part 2

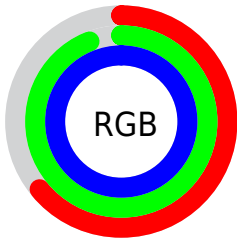
Format	Color
RYB	164, 205, 255
Decimal	10809343
CIELab	90.25, -19.23, -15.05
CIElCh	90, 24.417, 218.037
Yxy	76.8455, 0.2599, 0.3110
Android (android.graphics.Color)	4288999423 (0xFFA4EFFF)
YUV	218.3990, 18.0443, -47.7079
Hunter-Lab	87.6616, -22.6422, -10.3484

Details

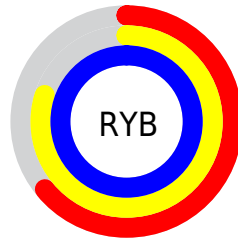
The Yxy color **76.8455, 0.2599, 0.3110** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.5526, 0.3930, 0.3460**, and the grayscale version is **70.2980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **41.1323, 0.2485, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **71.8164, 0.2472, 0.3051**, and if you desaturate by 10%, it is **82.4891, 0.2738, 0.3166**.

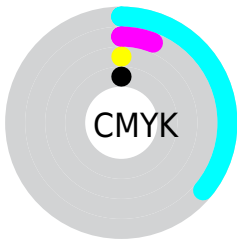
Distribution



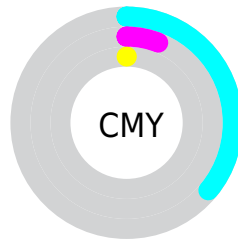
- Red (64%)
- Green (94%)
- Blue (100%)



- Red (64%)
- Yellow (80%)
- Blue (100%)



- Cyan (36%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8455, 0.2599, 0.3110 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 76.8455, 0.2599, 0.3110 by changing the saturation by 10% instead.


 76.8455, 0.2599,
0.3110


 76.8455, 0.2599,
0.3110

484.2371, 0.2836,
0.3197

 57.1261, 0.2547,
0.3089


 128.9214, 0.2680,
0.3141

 41.1065, 0.2483,
0.3063


 162.0466, 0.2712,
0.3153

 28.4023, 0.2403,
0.3030


200.4092, 0.2739,
0.3163

 18.6291, 0.2302,
0.2986

244.3936, 0.2764,
0.3172

 11.4026, 0.2169,
0.2924

294.3842, 0.2785,
0.3179

 6.3383, 0.1986,
0.2833

350.7654, 0.2804,

 3.0519, 0.1723,

0.3186

0.2688

413.9216, 0.2821,
0.3192

■ 1.1589, 0.1282,
0.2438

■ 0.0277, 0.0000,
0.0249

■ 76.8455, 0.2599,
0.3110

■ 76.8455, 0.2599,
0.3110

■ 71.8164, 0.2472,
0.3051

■ 82.4891, 0.2738,
0.3166

■ 67.3597, 0.2360,
0.2990

■ 88.7686, 0.2886,
0.3217

■ 63.4417, 0.2265,
0.2926

■ 95.7153, 0.3039,
0.3265

■ 60.0210, 0.2190,
0.2862

99.9979, 0.3127,
0.3290

■ 57.0493, 0.2134,
0.2798

■ 54.4671, 0.2098,
0.2735

■ 53.4356, 0.2086,
0.2708

Harmonies

Analogous

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



76.8455, 0.2730, 0.3380



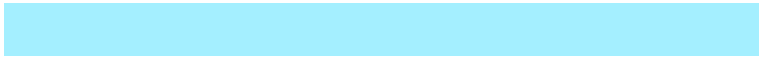
76.8455, 0.2599, 0.3110



76.8455, 0.2601, 0.2908

Triad

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



76.8455, 0.2599, 0.3110



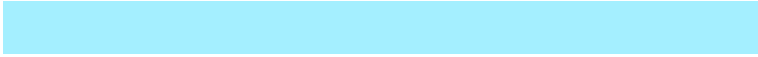
76.8455, 0.3271, 0.2978



76.8455, 0.3518, 0.3786

Complementary

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



76.8455, 0.2599, 0.3110



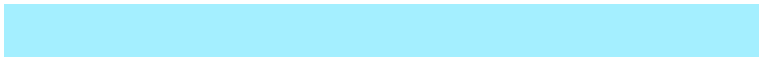
56.5526, 0.3930, 0.3460

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.



76.8455, 0.3679, 0.3648



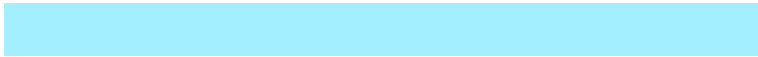
76.8455, 0.2599, 0.3110



76.8455, 0.3534, 0.3187

Square

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



76.8455, 0.2599, 0.3110



76.8455, 0.2978, 0.2844



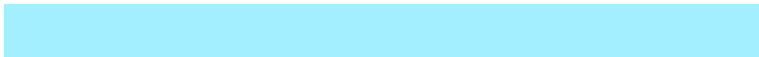
76.8455, 0.3686, 0.3428



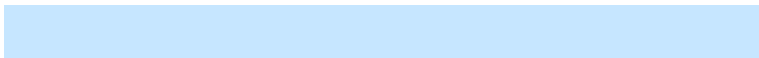
76.8455, 0.3256, 0.3787

Rectangle

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



76.8455, 0.2599, 0.3110



76.8455, 0.2678, 0.2833



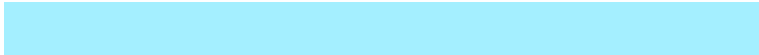
76.8455, 0.3686, 0.3428



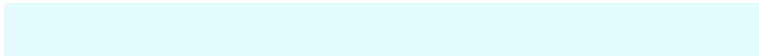
76.8455, 0.3586, 0.3753

Sweetspot

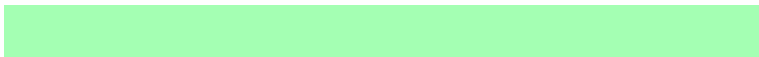
The Sweet Spot groups the original color and five complimentary colors.



76.8485, 0.2599, 0.3110



91.9641, 0.2957, 0.3240



82.6510, 0.2999, 0.4187



19.4844, 0.2936, 0.3234



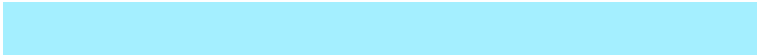
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



76.8485, 0.2599, 0.3110



73.1300, 0.2505, 0.3067



53.8319, 0.2525, 0.2579



19.9074, 0.2980, 0.3247



28.1272, 0.2089, 0.2719



2.8745, 0.2109, 0.2791

Inverse Universe

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



54.0322, 0.3298, 0.2542



47.6607, 0.3342, 0.2394



77.5898, 0.3766, 0.3909



18.2425, 0.3165, 0.3096



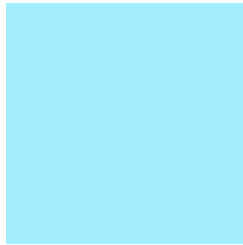
13.5674, 0.3711, 0.1818



1.3347, 0.3643, 0.1781

Previews

White Background



This preview shows how the Yxy color 76.8455, 0.2599, 0.3110 looks on a white background.

Color Contrast Check

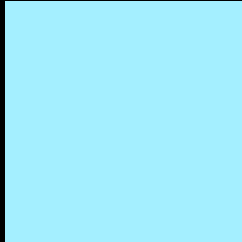
Large Text (above 18pt) WCAG AA × Fail

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 76.8455, 0.2599, 0.3110 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 76.8455, 0.2599, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 76.8455, 0.2599, 0.3110.

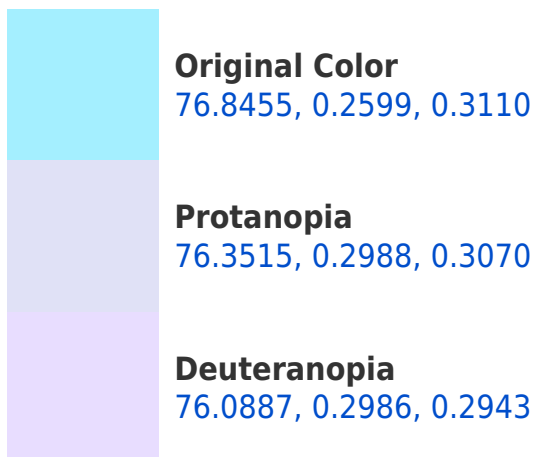


This preview shows how white text looks on a background with the Yxy color 76.8455, 0.2599, 0.3110.

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

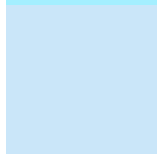
76.5590, 0.2637, 0.3089

Trichromacy



Original Color

76.8455, 0.2599, 0.3110



Protanomaly

75.9897, 0.2831, 0.3085



Deuteranomaly

75.9722, 0.2827, 0.3003



Tritanomaly

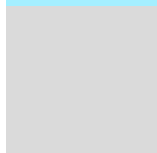
76.8041, 0.2623, 0.3099

Monochromacy



Original Color

76.8455, 0.2599, 0.3110



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.1680, 0.2908, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8455, 0.2599, 0.3110 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(164, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 239, 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(164, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.8455, 0.2599, 0.3110 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(164, 239, 255) }
```

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

```
.border{ border-color:rgb(164, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8455, 0.2599, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 239, 255) }
```

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

```
.background{ background-color: rgb(164,  
239, 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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