

Converting Colors

Yxy(87.6183, 0.2769, 0.3453)

Have a look what the booklet for
Yxy(87.6183, 0.2769, 0.3453)
contains.

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Color

Yxy(87.3950, 0.2769, 0.3453)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFF0
RGB	179, 255, 240
RGB Percent	70%, 100%, 94%
CMY	0.2980, 0.0000, 0.0588
CMYK	0.30, 0.00, 0.06, 0.00
HSL	168°, 100%, 85%
HSV	168°, 30%, 100%
XYZ	70.0830, 87.3950, 95.6207
YIQ	230.5660, -40.4810, -20.7770

Conversions

Conversions Part 2

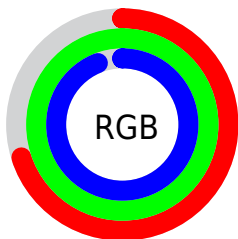
Format	Color
RYB	179, 221, 255
Decimal	11796464
CIELab	94.91, -26.33, -0.31
CIElCh	95, 26.331, 180.673
Yxy	87.3950, 0.2769, 0.3453
Android (android.graphics.Color)	4289986544 (0xFFB3FFF0)
YUV	230.5660, 4.6510, -45.2234
Hunter-Lab	93.4853, -29.7833, 4.7954

Details

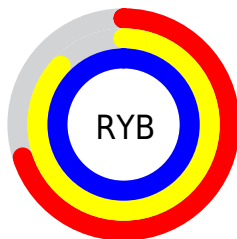
The Yxy color **87.3950, 0.2769, 0.3453** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.4046, 0.3665, 0.3135**, and the grayscale version is **79.5647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **48.1339, 0.2693, 0.3489** is the 20% darker color. If you saturate the color by 10%, you get **84.3403, 0.2668, 0.3517**, and if you desaturate by 10%, it is **91.0264, 0.2882, 0.3394**.

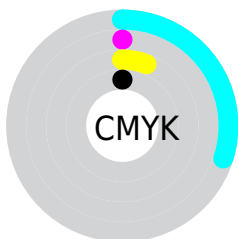
Distribution



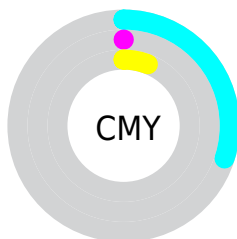
- Red (70%)
- Green (100%)
- Blue (94%)



- Red (70%)
- Yellow (87%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3950, 0.2769, 0.3453 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 87.3950, 0.2769, 0.3453 by changing the saturation by 10% instead.

 87.3950, 0.2769,
0.3453

 87.3950, 0.2769,
0.3453

519.5200, 0.2929,
0.3381

 65.8221, 0.2734,
0.3469


 143.7146, 0.2823,
0.3428

 48.1280, 0.2691,
0.3488

179.2301, 0.2845,
0.3419

 33.9283, 0.2638,
0.3512


220.1619, 0.2863,
0.3410

 22.8385, 0.2570,
0.3543

266.8945, 0.2880,
0.3403

 14.4743, 0.2480,
0.3583

319.8122, 0.2894,
0.3396

 8.4513, 0.2357,
0.3639

379.2994, 0.2907,

 4.3851, 0.2176,

0.3390

0.3720

445.7405, 0.2918,
0.3385

1.8912, 0.1889,
0.3848

0.5431, 0.0000,
0.4698

87.3950, 0.2769,
0.3453

87.3950, 0.2769,
0.3453

84.3403, 0.2668,
0.3517

91.0264, 0.2882,
0.3394


81.8213, 0.2582,
0.3584


95.2533, 0.3003,
0.3339


79.8073, 0.2513,
0.3655


100.0000, 0.3127,
0.3290

78.2602, 0.2463,
0.3727

 77.1365, 0.2433,
0.3800

 76.3845, 0.2423,
0.3872

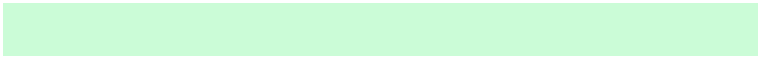
 75.9214, 0.2429,
0.3944

 75.9130, 0.2429,
0.3945

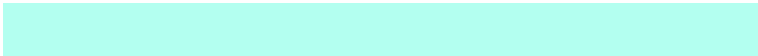
Harmonies

Analogous

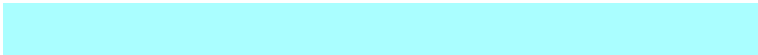
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3950, 0.3034, 0.3700



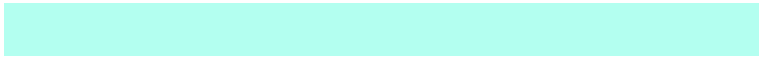
87.3950, 0.2769, 0.3453



87.3950, 0.2603, 0.3168

Triad

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



87.3950, 0.2769, 0.3453



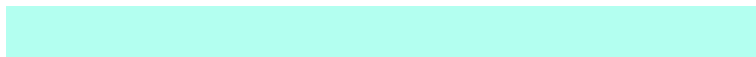
87.3950, 0.2904, 0.2812



87.3950, 0.3715, 0.3608

Complementary

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



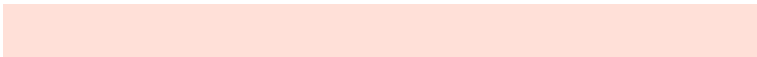
87.3950, 0.2769, 0.3453



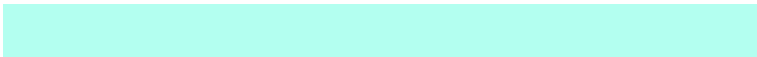
57.4046, 0.3665, 0.3135

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.



87.3950, 0.3680, 0.3370



87.3950, 0.2769, 0.3453



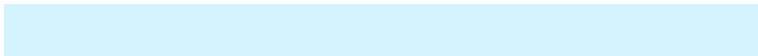
87.3950, 0.3201, 0.2925

Square

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



87.3950, 0.2769, 0.3453



87.3950, 0.2678, 0.2812



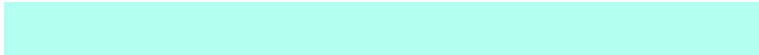
87.3950, 0.3489, 0.3125



87.3950, 0.3584, 0.3778

Rectangle

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



87.3950, 0.2769, 0.3453



87.3950, 0.2566, 0.3003



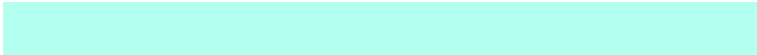
87.3950, 0.3489, 0.3125



87.3950, 0.3722, 0.3533

Sweetspot

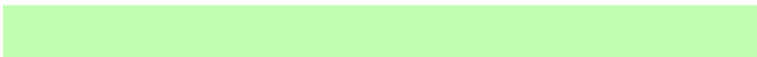
The Sweet Spot groups the original color and five complimentary colors.



87.3983, 0.2769, 0.3453



95.6160, 0.3013, 0.3335



86.2737, 0.3178, 0.4142



20.3244, 0.2995, 0.3342



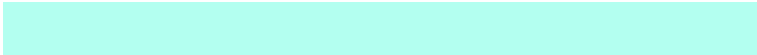
0.0000, 0.0000, 0.0000



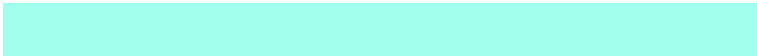
21.4041, 0.3127, 0.3290

Same Dimension

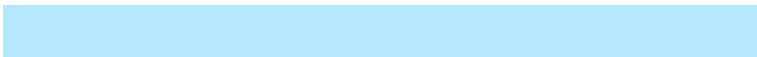
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3983, 0.2769, 0.3453



85.4357, 0.2705, 0.3492



74.6360, 0.2668, 0.3037



20.4164, 0.3006, 0.3337



39.6879, 0.2426, 0.3933



3.8792, 0.2403, 0.3851

Inverse Universe

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



57.4046, 0.3665, 0.3135



50.8744, 0.3826, 0.3102



66.6701, 0.3729, 0.3529



18.0456, 0.3263, 0.3243



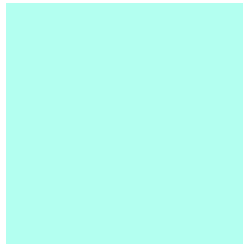
11.2470, 0.6087, 0.3127



1.1096, 0.5791, 0.2964

Previews

White Background



This preview shows how the Yxy color 87.3950, 0.2769, 0.3453 looks on a white background.

Color Contrast Check

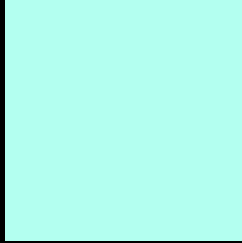
Large Text (above 18pt) WCAG AA × Fail

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 87.3950, 0.2769, 0.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

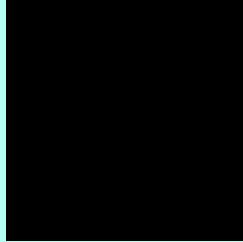
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

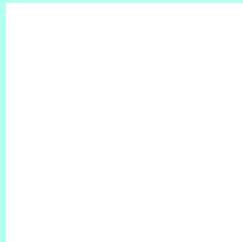
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.3950, 0.2769, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 87.3950, 0.2769, 0.3453.

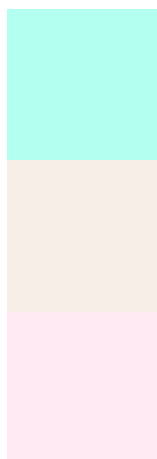


This preview shows how white text looks on a background with the Yxy color 87.3950, 0.2769, 0.3453.

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

87.3950, 0.2769, 0.3453

Protanopia

86.5114, 0.3224, 0.3360

Deuteranopia

86.5767, 0.3212, 0.3202



Tritanopia

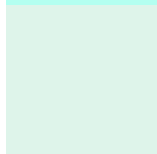
87.1237, 0.2890, 0.3187

Trichromacy



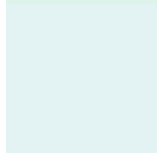
Original Color

87.3950, 0.2769, 0.3453



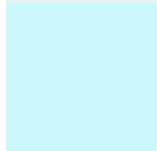
Protanomaly

86.1715, 0.3046, 0.3394



Deuteranomaly

86.2460, 0.3031, 0.3290



Tritanomaly

87.3500, 0.2844, 0.3279

Monochromacy



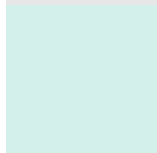
Original Color

87.3950, 0.2769, 0.3453



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.2577, 0.2983, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3950, 0.2769, 0.3453 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(179, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 240)  
}
```

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(179, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 240) }
```

Border

The CSS property to change the border of an element to Yxy 87.3950, 0.2769, 0.3453 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(179, 255, 240) }
```

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

```
.border{ border-color:rgb(179, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 255, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 255, 240); box-shadow:4px 4px 4px 4px rgb(179, 255, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3950, 0.2769, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 240) }
```

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

```
.background{ background-color: rgb(179,  
255, 240) }
```

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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