

Converting Colors

$Y_{xy}(100.0000, 0.2778, 0.3640)$

Have a look what the booklet for
Yxy(100.0000, 0.2778, 0.3640)
contains.

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Color

Yxy(87.3359, 0.2759, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFF1
RGB	178, 255, 241
RGB Percent	70%, 100%, 95%
CMY	0.3018, 0.0000, 0.0549
CMYK	0.30, 0.00, 0.05, 0.00
HSL	169°, 100%, 85%
HSV	169°, 30%, 100%
XYZ	70.0057, 87.3359, 96.3943
YIQ	230.3810, -41.3980, -20.6780

Conversions

Conversions Part 2

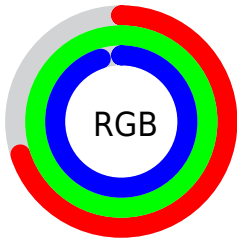
Format	Color
RYB	178, 220, 255
Decimal	11730929
CIELab	94.88, -26.39, -0.87
CIElCh	95, 26.402, 181.883
Yxy	87.3359, 0.2759, 0.3442
Android (android.graphics.Color)	4289921009 (0xFFB2FFF1)
YUV	230.3810, 5.2352, -45.9381
Hunter-Lab	93.4537, -29.8304, 4.2620

Details

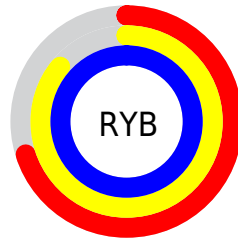
The Yxy color **87.3359, 0.2759, 0.3442** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.9254, 0.3685, 0.3146**, and the grayscale version is **79.4201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **48.1019, 0.2681, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **84.3238, 0.2657, 0.3501**, and if you desaturate by 10%, it is **90.9228, 0.2873, 0.3387**.

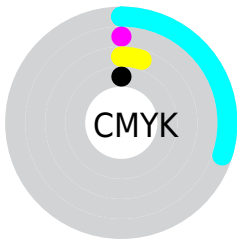
Distribution



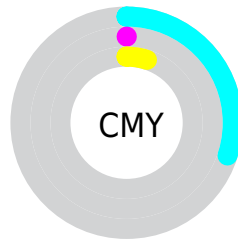
- Red (70%)
- Green (100%)
- Blue (95%)



- Red (70%)
- Yellow (86%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3359, 0.2759, 0.3442 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 87.3359, 0.2759, 0.3442 by changing the saturation by 10% instead.

 87.3359, 0.2759,
0.3442

 87.3359, 0.2759,
0.3442


519.3260, 0.2923,
0.3375

 65.7732, 0.2723,
0.3457


 143.6322, 0.2815,
0.3419

 48.0883, 0.2679,
0.3475


179.1347, 0.2837,
0.3410

 33.8968, 0.2625,
0.3497

220.0525, 0.2856,
0.3402

 22.8144, 0.2555,
0.3525

266.7701, 0.2873,
0.3395

 14.4565, 0.2463,
0.3562

319.6718, 0.2888,
0.3389

 8.4388, 0.2337,
0.3612


379.1421, 0.2901,


 4.3770, 0.2153,


0.3384


0.3685


445.5654, 0.2913,
0.3379


 1.8866, 0.1861,
0.3798


 0.5403, 0.0000,
0.4543


 87.3359, 0.2759,
0.3442


 87.3359, 0.2759,
0.3442

 84.3238, 0.2657,
0.3501


 90.9228, 0.2873,
0.3387

 81.8447, 0.2570,
0.3563


 95.1026, 0.2996,
0.3337


 79.8679, 0.2501,
0.3627


99.9057, 0.3125,
0.3291

 78.3553, 0.2450,
0.3693

99.9975, 0.3127,
0.3290

 77.2632, 0.2420,
0.3760

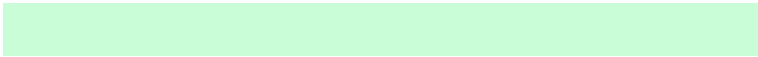
 76.5393, 0.2409,
0.3826

 76.1038, 0.2414,
0.3890

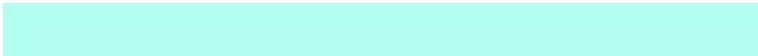
Harmonies

Analogous

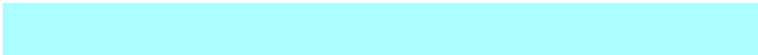
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3359, 0.3021, 0.3693



87.3359, 0.2759, 0.3442



87.3359, 0.2598, 0.3157

Triad

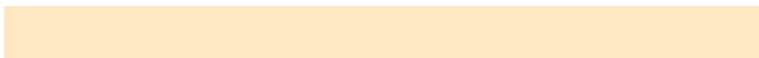
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3359, 0.2759, 0.3442



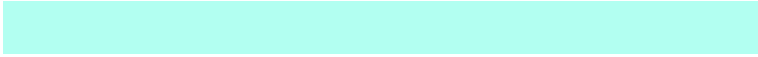
87.3359, 0.2915, 0.2813



87.3359, 0.3714, 0.3618

Complementary

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



87.3359, 0.2759, 0.3442



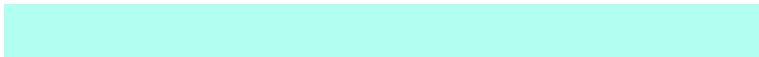
56.9254, 0.3685, 0.3146

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.



87.3359, 0.3687, 0.3381



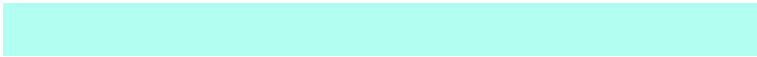
87.3359, 0.2759, 0.3442



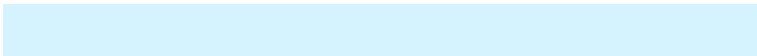
87.3359, 0.3213, 0.2931

Square

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



87.3359, 0.2759, 0.3442



87.3359, 0.2684, 0.2809



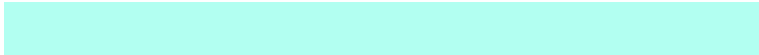
87.3359, 0.3500, 0.3134



87.3359, 0.3577, 0.3784

Rectangle

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



87.3359, 0.2759, 0.3442



87.3359, 0.2564, 0.2994



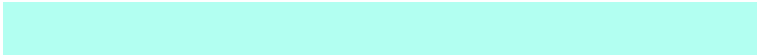
87.3359, 0.3500, 0.3134



87.3359, 0.3724, 0.3543

Sweetspot

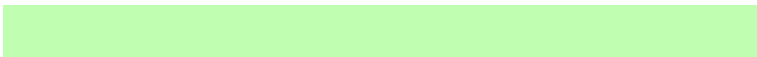
The Sweet Spot groups the original color and five complimentary colors.



87.3394, 0.2759, 0.3442



95.6384, 0.3011, 0.3331



85.9602, 0.3171, 0.4156



20.3299, 0.2992, 0.3338



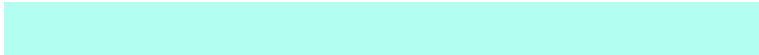
0.0000, 0.0000, 0.0000



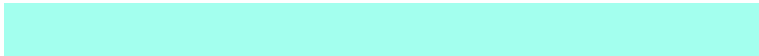
21.4041, 0.3127, 0.3290

Same Dimension

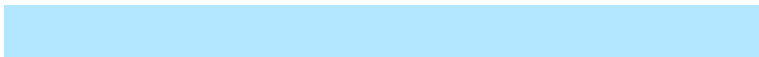
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3394, 0.2759, 0.3442



85.5193, 0.2698, 0.3476



73.6342, 0.2660, 0.3019



20.4215, 0.3004, 0.3333



39.7878, 0.2411, 0.3879



3.8881, 0.2390, 0.3804

Inverse Universe

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



56.9254, 0.3685, 0.3146



50.8160, 0.3839, 0.3117



66.9108, 0.3735, 0.3545



18.0410, 0.3266, 0.3247



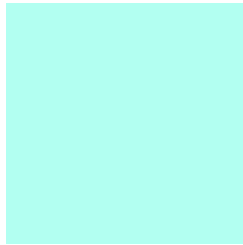
11.2287, 0.6126, 0.3148



1.1072, 0.5838, 0.2989

Previews

White Background



This preview shows how the Yxy color 87.3359, 0.2759, 0.3442 looks on a white background.

Color Contrast Check

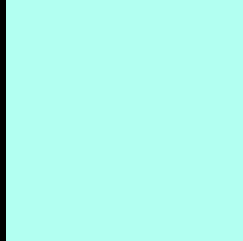
Large Text (above 18pt) WCAG AA × Fail

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 87.3359, 0.2759, 0.3442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

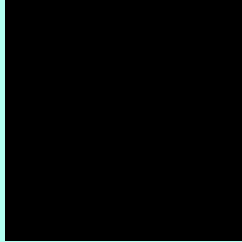
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.3359, 0.2759, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 87.3359, 0.2759, 0.3442.

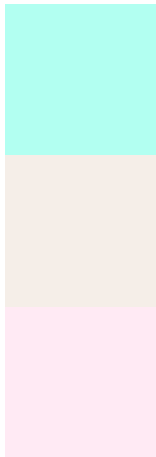


This preview shows how white text looks on a background with the Yxy color 87.3359, 0.2759, 0.3442.

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

87.3359, 0.2759, 0.3442

Protanopia

86.3877, 0.3211, 0.3350

Deuteranopia

86.6373, 0.3206, 0.3193



Tritanopia

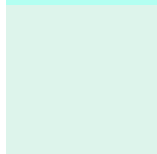
86.9719, 0.2884, 0.3186

Trichromacy



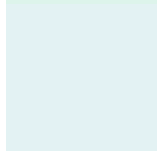
Original Color

87.3359, 0.2759, 0.3442



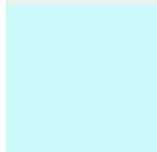
Protanomaly

86.0717, 0.3033, 0.3384



Deuteranomaly

86.3062, 0.3025, 0.3279



Tritanomaly

87.2100, 0.2838, 0.3279

Monochromacy



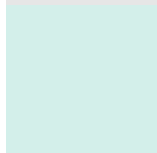
Original Color

87.3359, 0.2759, 0.3442



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.5224, 0.2976, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3359, 0.2759, 0.3442 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(178, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 241)  
}
```

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(178, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 87.3359, 0.2759, 0.3442 is called "border". The border property can be set on classes, ids or directly on the HTML element.

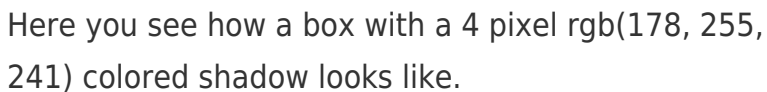
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 255, 241) }
```

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

```
.border{ border-color:rgb(178, 255, 241) }
```

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



Here you see how a box with a 4 pixel rgb(178, 255, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3359, 0.2759, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 241) }
```

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

```
.background{ background-color: rgb(178,  
255, 241) }
```

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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