

Converting Colors

$Yxy(87.1335, 0.2653, 0.3300)$

Have a look what the booklet for
Yxy(87.1335, 0.2653, 0.3300)
contains.

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Color

Yxy(87.1108, 0.2652, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	A9FFFE
RGB	169, 255, 254
RGB Percent	66%, 100%, 100%
CMY	0.3370, 0.0000, 0.0038
CMYK	0.34, 0.00, 0.00, 0.00
HSL	179°, 100%, 83%
HSV	179°, 34%, 100%
XYZ	70.0266, 87.1108, 106.9147
YIQ	229.1720, -50.9350, -18.5430

Conversions

Conversions Part 2

Format	Color
R_{YB}	169, 212, 255
Decimal	11141118
CIE _{Lab}	94.79, -25.93, -7.78
CIE _{LCh}	95, 27.074, 196.697
Yxy	87.1108, 0.2652, 0.3299
Android (android.graphics.Color)	4289331198 (0xFFA9FFFE)
YUV	229.1720, 12.2402, -52.7708
Hunter-Lab	93.3332, -29.4069, -2.5845

Details

The Yxy color **87.1108, 0.2652, 0.3299** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.5648, 0.3915, 0.3282**, and the grayscale version is **78.4385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **47.9301, 0.2555, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **84.5440, 0.2540, 0.3302**, and if you desaturate by 10%, it is **90.2346, 0.2779, 0.3296**.

Distribution



- Red (66%)
- Green (100%)
- Blue (100%)



- Red (66%)
- Yellow (83%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1108, 0.2652, 0.3299 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 87.1108, 0.2652, 0.3299 by changing the saturation by 10% instead.


 87.1108, 0.2652,
0.3299

 87.1108, 0.2652,
0.3299

518.5869, 0.2862,
0.3299

 65.5869, 0.2606,
0.3298


 143.3186, 0.2723,
0.3300

 47.9371, 0.2551,
0.3297

178.7712, 0.2751,
0.3300

 33.7771, 0.2483,
0.3295


219.6356, 0.2776,
0.3300

 22.7224, 0.2396,
0.3291

266.2961, 0.2797,
0.3299

 14.3887, 0.2283,
0.3284

319.1370, 0.2816,
0.3299

 8.3915, 0.2130,
0.3272

378.5429, 0.2833,

 4.3465, 0.1912,

0.3299

0.3246

444.8980, 0.2848,
0.3299

■ 1.8692, 0.1578,
0.3189

■ 0.5298, 0.0000,
0.3193

■ 87.1108, 0.2652,
0.3299

■ 87.1108, 0.2652,
0.3299

■ 84.5440, 0.2540,
0.3302

■ 90.2346, 0.2779,
0.3296

■ 82.4916, 0.2446,
0.3306

■ 93.9344, 0.2920,
0.3293

■ 80.9217, 0.2371,
0.3309

■ 98.2411, 0.3070,
0.3291

■ 79.7945, 0.2316,
0.3313

99.9933, 0.3127,
0.3290

■ 79.0638, 0.2280,
0.3316

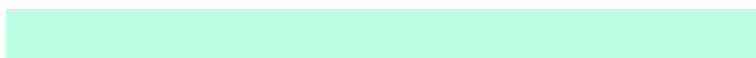
■ 78.6732, 0.2261,
0.3320

■ 78.5510, 0.2256,
0.3322

Harmonies

Analogous

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



87.1108, 0.2876, 0.3588



87.1108, 0.2652, 0.3299



87.1108, 0.2553, 0.3025

Triad

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



87.1108, 0.2652, 0.3299



87.1108, 0.3056, 0.2848



87.1108, 0.3679, 0.3723

Complementary

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



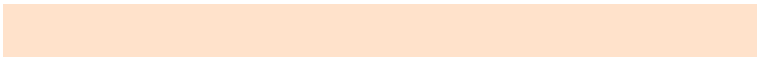
87.1108, 0.2652, 0.3299



52.5648, 0.3915, 0.3282

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.



87.1108, 0.3738, 0.3507



87.1108, 0.2652, 0.3299



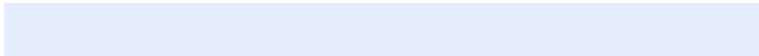
87.1108, 0.3368, 0.3016

Square

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



87.1108, 0.2652, 0.3299



87.1108, 0.2777, 0.2783



87.1108, 0.3622, 0.3252



87.1108, 0.3470, 0.3835

Rectangle

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



87.1108, 0.2652, 0.3299



87.1108, 0.2566, 0.2890



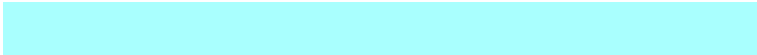
87.1108, 0.3622, 0.3252



87.1108, 0.3718, 0.3660

Sweetspot

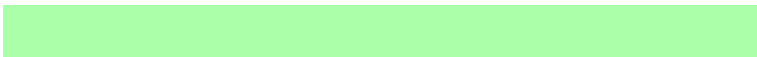
The Sweet Spot groups the original color and five complimentary colors.



87.1143, 0.2652, 0.3299



95.4621, 0.2974, 0.3292



82.9831, 0.3088, 0.4299



20.3070, 0.2953, 0.3293



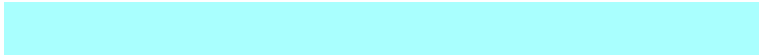
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

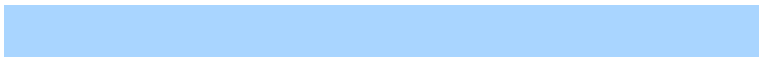
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1143, 0.2652, 0.3299



85.4393, 0.2579, 0.3301



63.4845, 0.2586, 0.2814



20.4778, 0.2982, 0.3292



41.0500, 0.2256, 0.3321



3.9980, 0.2255, 0.3317

Inverse Universe

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



52.5648, 0.3915, 0.3282



46.3801, 0.4137, 0.3281



70.5152, 0.3778, 0.3721



17.9904, 0.3293, 0.3288



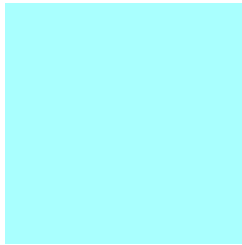
11.1135, 0.6389, 0.3293



1.0832, 0.6362, 0.3279

Previews

White Background



This preview shows how the Yxy color 87.1108, 0.2652, 0.3299 looks on a white background.

Color Contrast Check

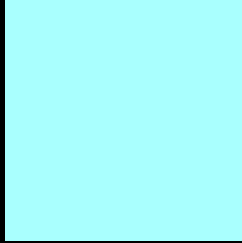
Large Text (above 18pt) WCAG AA × Fail

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 87.1108, 0.2652, 0.3299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

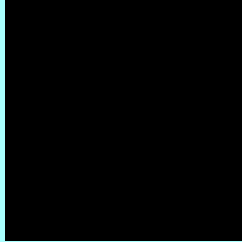
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.1108, 0.2652, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 87.1108, 0.2652, 0.3299.

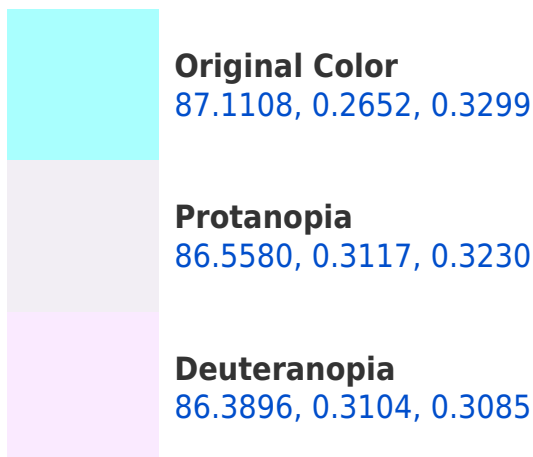


This preview shows how white text looks on a background with the Yxy color 87.1108, 0.2652, 0.3299.

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

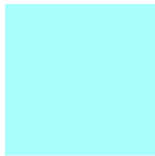




Tritanopia

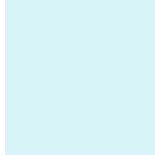
86.5219, 0.2867, 0.3186

Trichromacy



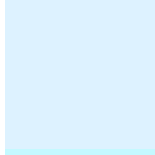
Original Color

87.1108, 0.2652, 0.3299



Protanomaly

85.9258, 0.2923, 0.3248



Deuteranomaly

86.0964, 0.2919, 0.3157



Tritanomaly

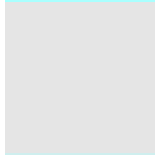
86.7071, 0.2779, 0.3226

Monochromacy



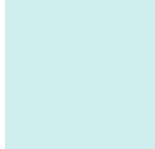
Original Color

87.1108, 0.2652, 0.3299



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.5875, 0.2928, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1108, 0.2652, 0.3299 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(169, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 254)  
}
```

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(169, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 254) }
```

Border

The CSS property to change the border of an element to Yxy 87.1108, 0.2652, 0.3299 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(169, 255, 254) }
```

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

```
.border{ border-color:rgb(169, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1108, 0.2652, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 254) }
```

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

```
.background{ background-color: rgb(169,  
255, 254) }
```

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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