

Converting Colors

$Yxy(87.3226, 0.2694, 0.3300)$

Have a look what the booklet for
Yxy(87.3226, 0.2694, 0.3300)
contains.

Yxy(87.3226, 0.2694, 0.3300)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.3226, 0.2694, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	B1FEFD
RGB	177, 254, 253
RGB Percent	69%, 100%, 99%
CMY	0.3062, 0.0038, 0.0079
CMYK	0.30, 0.00, 0.00, 0.00
HSL	179°, 98%, 85%
HSV	179°, 30%, 100%
XYZ	71.2870, 87.3226, 106.0043
YIQ	230.8630, -45.5710, -16.6350

Conversions

Conversions Part 2

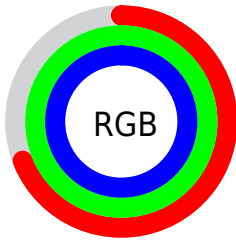
Format	Color
RYB	177, 216, 254
Decimal	11665149
CIELab	94.87, -23.63, -7.06
CIELCh	95, 24.657, 196.633
Yxy	87.3226, 0.2694, 0.3300
Android (android.graphics.Color)	4289855229 (0xFFB1FEFD)
YUV	230.8630, 10.9135, -47.2379
Hunter-Lab	93.4466, -27.3603, -1.8451

Details

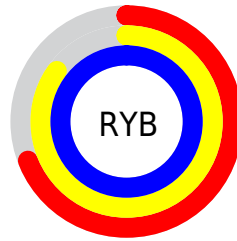
The Yxy color **87.3226, 0.2694, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.7044, 0.3806, 0.3281**, and the grayscale version is **79.7370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **47.9830, 0.2603, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **84.5952, 0.2577, 0.3304**, and if you desaturate by 10%, it is **90.6121, 0.2826, 0.3296**.

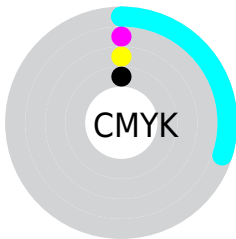
Distribution



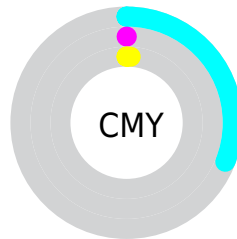
- Red (69%)
- Green (100%)
- Blue (99%)



- Red (69%)
- Yellow (85%)
- Blue (100%)



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




- Cyan (31%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3226, 0.2694, 0.3300 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 87.3226, 0.2694, 0.3300 by changing the saturation by 10% instead.


 87.3226, 0.2694,
0.3300

 87.3226, 0.2694,
0.3300


519.2823, 0.2886,
0.3299

 65.7622, 0.2652,
0.3300


 143.6137, 0.2759,
0.3300

 48.0794, 0.2602,
0.3299


179.1132, 0.2784,
0.3300

 33.8898, 0.2539,
0.3297


220.0279, 0.2807,
0.3300

 22.8089, 0.2460,
0.3295

266.7421, 0.2826,
0.3300

 14.4525, 0.2356,
0.3290

319.6402, 0.2844,
0.3299

 8.4360, 0.2215,
0.3280

379.1067, 0.2859,

 4.3752, 0.2012,

0.3299

445.5260, 0.2873,
0.3299

0.3261

1.8856, 0.1700,
0.3215

0.5397, 0.0000,
0.3320

87.3226, 0.2694,
0.3300

87.3226, 0.2694,
0.3300

84.5952, 0.2577,
0.3304

90.6121, 0.2826,
0.3296

82.3886, 0.2477,
0.3308

94.4817, 0.2969,
0.3293

80.6723, 0.2396,
0.3312

98.9614, 0.3122,
0.3290

79.4086, 0.2334,
0.3317

99.3355, 0.3131,
0.3287

■ 78.5541, 0.2292,
0.3321

99.3576, 0.3129,
0.3284

■ 78.0569, 0.2268,
0.3325

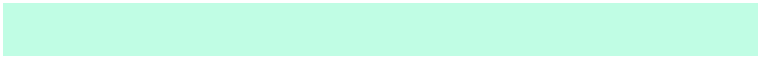
99.3770, 0.3128,
0.3281

■ 77.8353, 0.2258,
0.3329

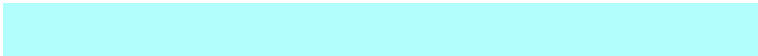
Harmonies

Analogous

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



87.3226, 0.2900, 0.3560



87.3226, 0.2694, 0.3300



87.3226, 0.2602, 0.3051

Triad

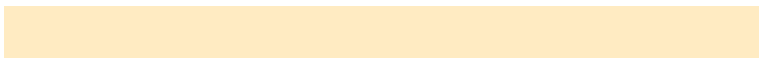
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3226, 0.2694, 0.3300



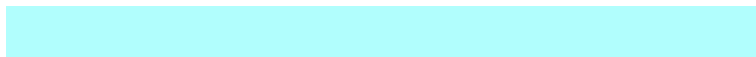
87.3226, 0.3063, 0.2885



87.3226, 0.3630, 0.3686

Complementary

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



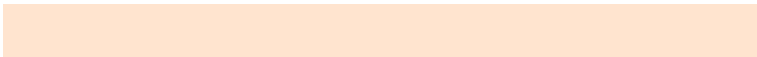
87.3226, 0.2694, 0.3300



55.7044, 0.3806, 0.3281

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.



87.3226, 0.3682, 0.3490



87.3226, 0.2694, 0.3300



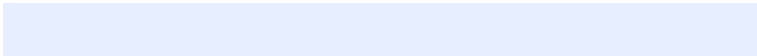
87.3226, 0.3346, 0.3039

Square

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



87.3226, 0.2694, 0.3300



87.3226, 0.2808, 0.2827



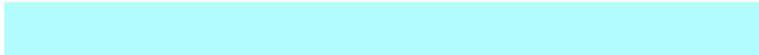
87.3226, 0.3577, 0.3256



87.3226, 0.3441, 0.3785

Rectangle

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



87.3226, 0.2694, 0.3300



87.3226, 0.2615, 0.2927



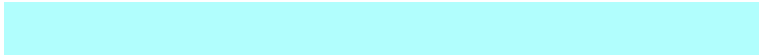
87.3226, 0.3577, 0.3256



87.3226, 0.3665, 0.3628

Sweetspot

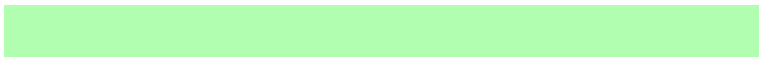
The Sweet Spot groups the original color and five complimentary colors.



87.3261, 0.2694, 0.3300



95.8841, 0.2989, 0.3293



83.5588, 0.3093, 0.4183



20.3909, 0.2968, 0.3293



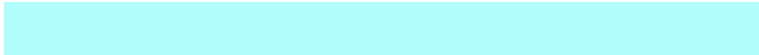
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

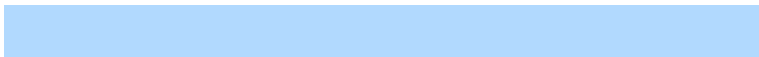
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3261, 0.2694, 0.3300



86.4677, 0.2626, 0.3302



65.9980, 0.2641, 0.2869



20.4770, 0.2982, 0.3293



41.0299, 0.2258, 0.3329



3.9963, 0.2257, 0.3324

Inverse Universe

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



55.7044, 0.3806, 0.3281



50.2219, 0.3991, 0.3279



72.4358, 0.3700, 0.3676



17.9911, 0.3292, 0.3287



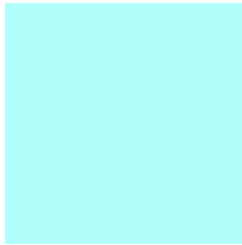
11.1145, 0.6387, 0.3292



1.0835, 0.6354, 0.3274

Previews

White Background



This preview shows how the Yxy color 87.3226, 0.2694, 0.3300 looks on a white background.

Color Contrast Check

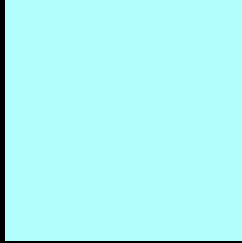
Large Text (above 18pt) WCAG AA × Fail

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 87.3226, 0.2694, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

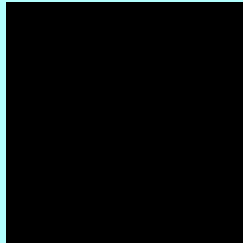
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.3226, 0.2694, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 87.3226, 0.2694, 0.3300.

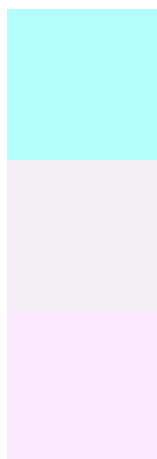


This preview shows how white text looks on a background with the Yxy color 87.3226, 0.2694, 0.3300.

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

87.3226, 0.2694, 0.3300

Protanopia

86.5580, 0.3117, 0.3230

Deuteranopia

86.1933, 0.3117, 0.3076



Tritanopia

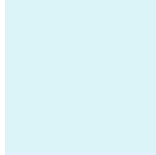
86.8210, 0.2878, 0.3186

Trichromacy



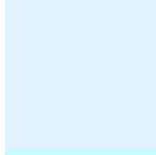
Original Color

87.3226, 0.2694, 0.3300



Protanomaly

86.3222, 0.2946, 0.3258



Deuteranomaly

86.0739, 0.2949, 0.3157



Tritanomaly

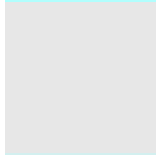
86.7081, 0.2811, 0.3226

Monochromacy



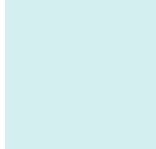
Original Color

87.3226, 0.2694, 0.3300



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.8139, 0.2948, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3226, 0.2694, 0.3300 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(177, 254, 253)` looks like.

```
.text, #text, p{  
    color:rgb(177, 254, 253)  
}
```

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(177, 254, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 254, 253) }
```

Border

The CSS property to change the border of an element to Yxy 87.3226, 0.2694, 0.3300 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(177, 254, 253) }
```

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

```
.border{ border-color:rgb(177, 254, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 254, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 254, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 254, 253);  
box-shadow:4px 4px 4px 4px rgb(177, 254,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3226, 0.2694, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 254, 253) }
```

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

```
.background{ background-color: rgb(177,  
254, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor