

# Converting Colors

$Y_{xy}(94.7221, 0.2814, 0.3629)$

Have a look what the booklet for  
Yxy(94.7221, 0.2814, 0.3629)  
contains.

<b>Yxy(87.3419, 0.2804, 0.3509)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(87.3419, 0.2804, 0.3509)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5FFEB
RGB	181, 255, 235
RGB Percent	71%, 100%, 92%
CMY	0.2906, 0.0000, 0.0784
CMYK	0.29, 0.00, 0.08, 0.00
HSL	164°, 100%, 85%
HSV	164°, 29%, 100%
XYZ	69.7939, 87.3419, 91.7725
YIQ	230.5940, -37.6840, -21.9080

# Conversions

## Conversions Part 2

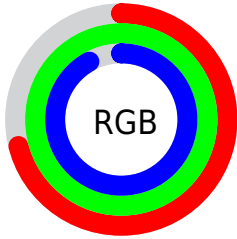
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 224, 255
Decimal	11927531
CIELab	94.88, -26.85, 2.26
CIELCh	95, 26.949, 175.197
Yxy	87.3419, 0.2804, 0.3509
Android (android.graphics.Color)	4290117611 (0xFFB5FFEB)
YUV	230.5940, 2.1722, -43.4939
Hunter-Lab	93.4569, -30.2452, 7.1984

# Details

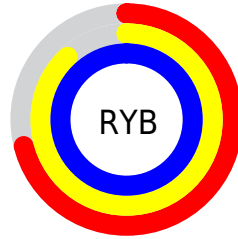
The Yxy color **87.3419, 0.2804, 0.3509** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.4824, 0.3600, 0.3084**, and the grayscale version is **79.5751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **48.0785, 0.2736, 0.3562** is the 20% darker color. If you saturate the color by 10%, you get **84.1364, 0.2710, 0.3597**, and if you desaturate by 10%, it is **91.1036, 0.2909, 0.3427**.

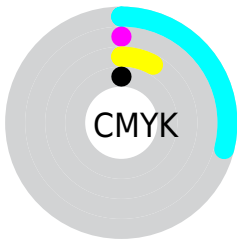
# Distribution



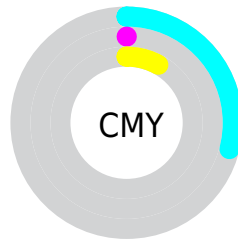
- Red (71%)
- Green (100%)
- Blue (92%)



- Red (71%)
- Yellow (88%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.3419, 0.2804, 0.3509 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 87.3419, 0.2804, 0.3509 by changing the saturation by 10% instead.




 87.3419, 0.2804,  
0.3509

 87.3419, 0.2804,  
0.3509

519.3457, 0.2949,  
0.3410

 65.7782, 0.2772,  
0.3531


 143.6406, 0.2853,  
0.3475

 48.0924, 0.2733,  
0.3558

179.1444, 0.2873,  
0.3462

 33.9000, 0.2684,  
0.3592

220.0636, 0.2890,  
0.3450

 22.8168, 0.2622,  
0.3635

266.7827, 0.2905,  
0.3440

 14.4583, 0.2539,  
0.3693

319.6861, 0.2918,  
0.3431

 8.4401, 0.2425,  
0.3775

379.1581, 0.2929,

 4.3778, 0.2255,

0.3424

0.3897

445.5832, 0.2940,  
0.3416

1.8871, 0.1982,  
0.4099

0.5406, 0.0000,  
0.5565

87.3419, 0.2804,  
0.3509

87.3419, 0.2804,  
0.3509

84.1364, 0.2710,  
0.3597

91.1036, 0.2909,  
0.3427


81.4909, 0.2629,  
0.3691


95.4850, 0.3021,  
0.3352


79.3599, 0.2564,  
0.3790


100.0000, 0.3127,  
0.3290

77.7056, 0.2519,  
0.3892

 76.4848, 0.2493,  
0.3995

 75.6465, 0.2488,  
0.4097

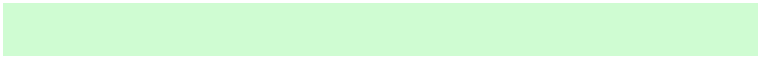
 75.1149, 0.2501,  
0.4199

 75.0717, 0.2502,  
0.4208

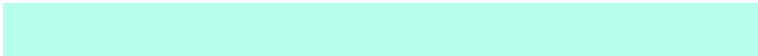
# Harmonies

## Analogous

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



87.3419, 0.3087, 0.3744



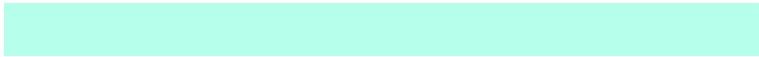
87.3419, 0.2804, 0.3509



87.3419, 0.2613, 0.3216

# Triad

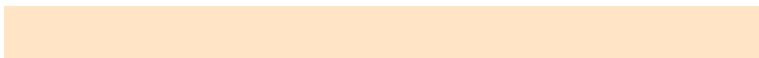
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3419, 0.2804, 0.3509



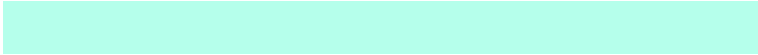
87.3419, 0.2850, 0.2792



87.3419, 0.3736, 0.3574

# Complementary

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



87.3419, 0.2804, 0.3509



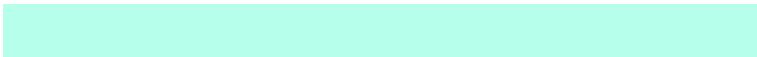
58.4824, 0.3600, 0.3084

# 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.



87.3419, 0.3669, 0.3325



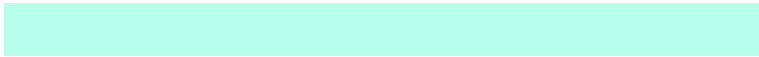
87.3419, 0.2804, 0.3509



87.3419, 0.3145, 0.2888

# Square

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



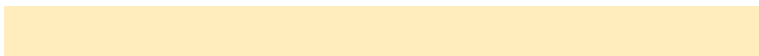
87.3419, 0.2804, 0.3509



87.3419, 0.2638, 0.2815



87.3419, 0.3448, 0.3079

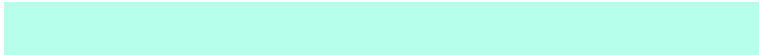


87.3419, 0.3630, 0.3766



# Rectangle

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



87.3419, 0.2804, 0.3509



87.3419, 0.2557, 0.3039



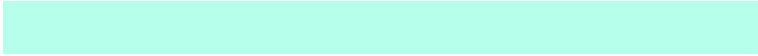
87.3419, 0.3448, 0.3079



87.3419, 0.3733, 0.3494

# Sweetspot

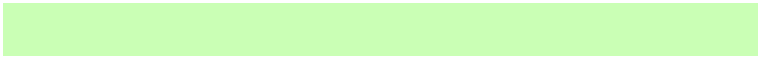
The Sweet Spot groups the original color and five complimentary colors.



87.3303, 0.2804, 0.3509



95.5115, 0.3022, 0.3351



87.3949, 0.3216, 0.4108



20.2985, 0.3005, 0.3362



0.0000, 0.0000, 0.0000

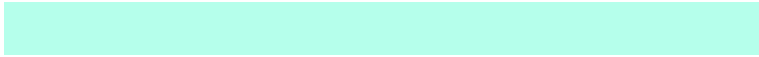


21.4041, 0.3127, 0.3290

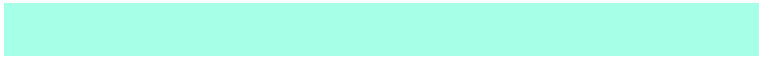


# Same Dimension

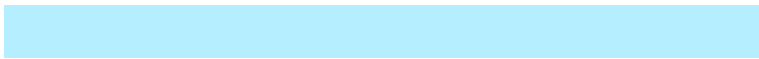
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3303, 0.2804, 0.3509



85.3641, 0.2746, 0.3561



78.7340, 0.2686, 0.3113



20.3928, 0.3016, 0.3355



39.2528, 0.2498, 0.4191



3.8402, 0.2465, 0.4075



# Inverse Universe

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



58.4824, 0.3600, 0.3084



52.1526, 0.3736, 0.3040



64.5066, 0.3728, 0.3459



18.0676, 0.3252, 0.3226



11.3535, 0.5871, 0.3008

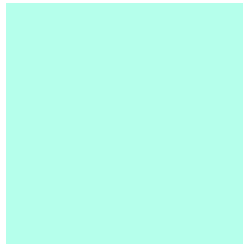


1.1228, 0.5553, 0.2833



# Previews

## White Background



This preview shows how the Yxy color 87.3419, 0.2804, 0.3509 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

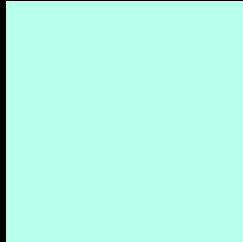
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.3419, 0.2804, 0.3509 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

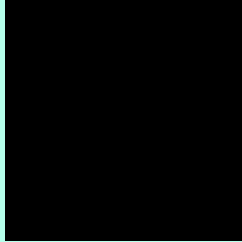
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

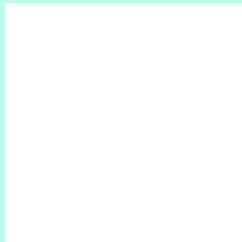
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.3419, 0.2804, 0.3509**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.3419, 0.2804, 0.3509.

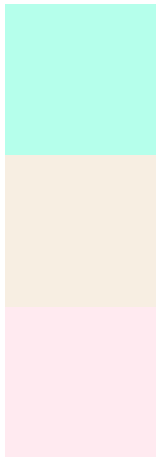


This preview shows how white text looks on a background with the Yxy color 87.3419, 0.2804, 0.3509.

# 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

87.3419, 0.2804, 0.3509

### Protanopia

86.4142, 0.3263, 0.3411

### Deuteranopia

86.3969, 0.3231, 0.3232



## Tritanopia

87.1237, 0.2890, 0.3187

# Trichromacy



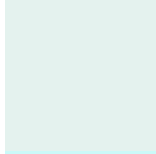
## Original Color

87.3419, 0.2804, 0.3509



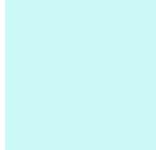
## Protanomaly

86.0465, 0.3081, 0.3447



## Deuteranomaly

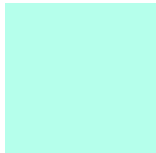
86.1713, 0.3061, 0.3331



## Tritanomaly

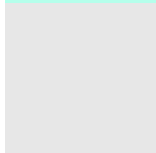
87.2252, 0.2854, 0.3300

# Monochromacy



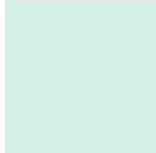
## Original Color

87.3419, 0.2804, 0.3509



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

82.2925, 0.3001, 0.3375

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.3419, 0.2804, 0.3509 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(181, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 235)  
}
```

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(181, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 87.3419, 0.2804, 0.3509 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(181, 255, 235) }
```

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

```
.border{ border-color:rgb(181, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 255, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 255, 235); box-shadow:4px 4px 4px 4px rgb(181, 255, 235) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.3419, 0.2804, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 235) }
```

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

```
.background{ background-color: rgb(181,  
255, 235) }
```

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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