

# Converting Colors

$Yxy(87.9627, 0.2753, 0.3393)$

Have a look what the booklet for  
Yxy(87.9627, 0.2753, 0.3393)  
contains.

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# Color

**Yxy(87.9363, 0.2755, 0.3397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5FFF5
RGB	181, 255, 245
RGB Percent	71%, 100%, 96%
CMY	0.2898, 0.0001, 0.0392
CMYK	0.29, 0.00, 0.04, 0.00
HSL	172°, 100%, 86%
HSV	172°, 29%, 100%
XYZ	71.3172, 87.9363, 99.6111
YIQ	231.7340, -40.8940, -18.7980

# Conversions

## Conversions Part 2

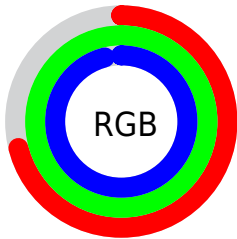
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 221, 255
Decimal	11927541
CIE <sub>Lab</sub>	95.13, -24.68, -2.54
CIE <sub>LCh</sub>	95, 24.809, 185.884
Yxy	87.9363, 0.2755, 0.3397
Android (android.graphics.Color)	4290117621 (0xFFB5FFF5)
YUV	231.7340, 6.5401, -44.4937
Hunter-Lab	93.7744, -28.3525, 2.6617

# Details

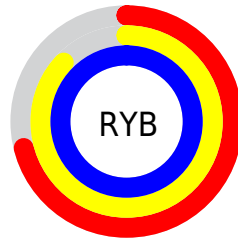
The Yxy color **87.9363, 0.2755, 0.3397** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.1133, 0.3685, 0.3188**, and the grayscale version is **80.4783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **48.4979, 0.2675, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **84.9238, 0.2647, 0.3440**, and if you desaturate by 10%, it is **91.5239, 0.2875, 0.3357**.

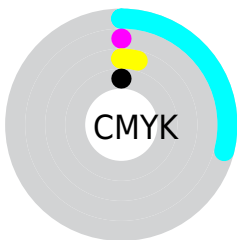
# Distribution



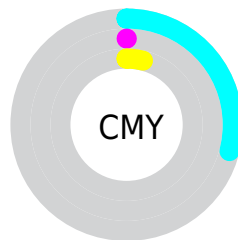
- Red (71%)
- Green (100%)
- Blue (96%)



- Red (71%)
- Yellow (87%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9363, 0.2755, 0.3397 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 87.9363, 0.2755, 0.3397 by changing the saturation by 10% instead.





 87.9363, 0.2755,  
0.3397

 87.9363, 0.2755,  
0.3397


521.2946, 0.2920,  
0.3351

 66.2703, 0.2719,  
0.3407

 144.4685, 0.2811,  
0.3381

 48.4919, 0.2675,  
0.3419


180.1034, 0.2833,  
0.3375

 34.2166, 0.2620,  
0.3434


221.1635, 0.2853,  
0.3370

 23.0600, 0.2551,  
0.3452

268.0331, 0.2869,  
0.3365

 14.6378, 0.2460,  
0.3476

321.0967, 0.2884,  
0.3361

 8.5656, 0.2334,  
0.3507

380.7385, 0.2898,

 4.4589, 0.2153,

0.3357

0.3551

447.3430, 0.2910,  
0.3354

1.9335, 0.1867,  
0.3613

0.5684, 0.0000,  
0.4164

87.9363, 0.2755,  
0.3397

87.9363, 0.2755,  
0.3397

84.9238, 0.2647,  
0.3440

91.5239, 0.2875,  
0.3357

82.4451, 0.2554,  
0.3485


95.7046, 0.3005,  
0.3320

80.4699, 0.2479,  
0.3531


99.9897, 0.3127,  
0.3290

78.9605, 0.2423,  
0.3579

 77.8742, 0.2386,  
0.3627

 77.1601, 0.2369,  
0.3675

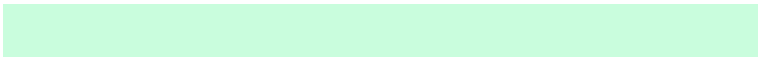
 76.7432, 0.2368,  
0.3722

 76.7075, 0.2369,  
0.3727

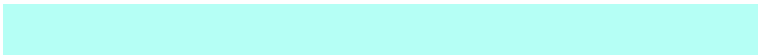
# Harmonies

## Analogous

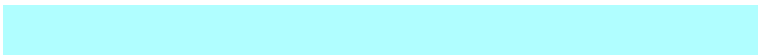
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9363, 0.2992, 0.3640



87.9363, 0.2755, 0.3397



87.9363, 0.2619, 0.3133

# Triad

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



87.9363, 0.2755, 0.3397



87.9363, 0.2963, 0.2850



87.9363, 0.3669, 0.3625

# Complementary

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



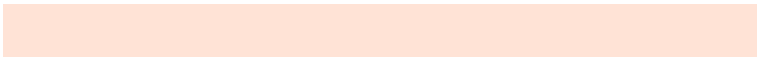
87.9363, 0.2755, 0.3397



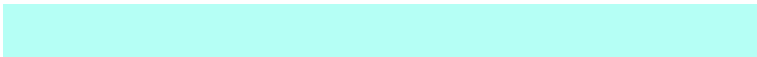
58.1133, 0.3685, 0.3188

# 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.



87.9363, 0.3664, 0.3408



87.9363, 0.2755, 0.3397



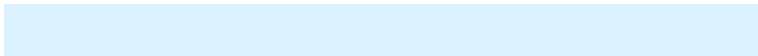
87.9363, 0.3247, 0.2974

# Square

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



87.9363, 0.2755, 0.3397



87.9363, 0.2734, 0.2831



87.9363, 0.3507, 0.3173

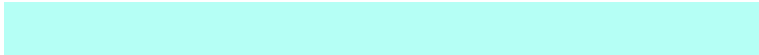


87.9363, 0.3523, 0.3766



# Rectangle

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



87.9363, 0.2755, 0.3397



87.9363, 0.2599, 0.2987



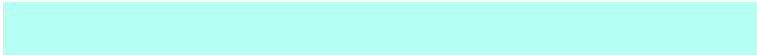
87.9363, 0.3507, 0.3173



87.9363, 0.3685, 0.3558

# Sweetspot

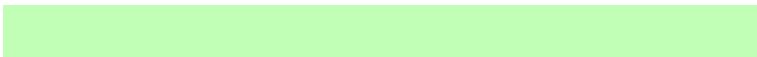
The Sweet Spot groups the original color and five complimentary colors.



87.9399, 0.2755, 0.3397



95.7063, 0.3005, 0.3320



86.0814, 0.3154, 0.4121



20.3468, 0.2985, 0.3326



0.0000, 0.0000, 0.0000

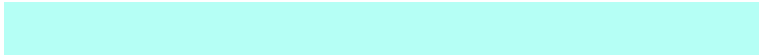


21.4041, 0.3127, 0.3290

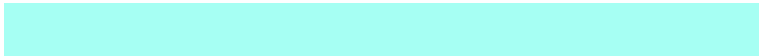


# Same Dimension

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



87.9399, 0.2755, 0.3397



86.0684, 0.2688, 0.3422



73.1646, 0.2676, 0.3003



20.4368, 0.2998, 0.3322



40.1035, 0.2367, 0.3719



3.9159, 0.2351, 0.3665



# Inverse Universe

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



58.1133, 0.3685, 0.3188



51.6477, 0.3852, 0.3165



69.2058, 0.3697, 0.3559



18.0270, 0.3273, 0.3258



11.1825, 0.6228, 0.3205

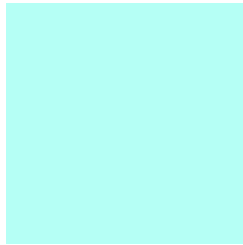


1.1005, 0.5972, 0.3064



# Previews

## White Background



This preview shows how the Yxy color 87.9363, 0.2755, 0.3397 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

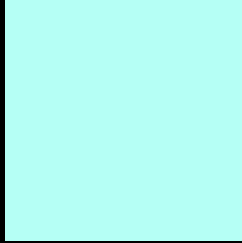
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.9363, 0.2755, 0.3397 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

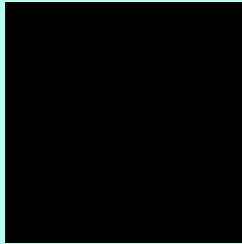
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

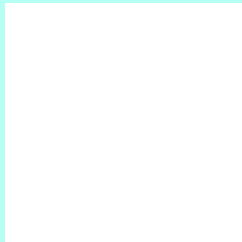
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.9363, 0.2755, 0.3397**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.9363, 0.2755, 0.3397.

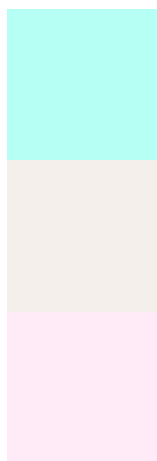


This preview shows how white text looks on a background with the Yxy color 87.9363, 0.2755, 0.3397.

# 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

87.9363, 0.2755, 0.3397

### Protanopia

87.2016, 0.3185, 0.3320

### Deuteranopia

86.8829, 0.3180, 0.3154



## Tritanopia

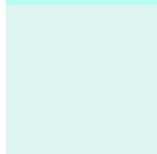
87.4302, 0.2902, 0.3187

# Trichromacy



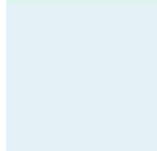
## Original Color

87.9363, 0.2755, 0.3397



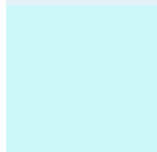
## Protanomaly

87.0664, 0.3016, 0.3352



## Deuteranomaly

86.7136, 0.3008, 0.3239



## Tritanomaly

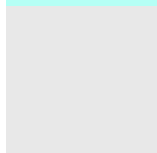
87.6955, 0.2850, 0.3268

# Monochromacy



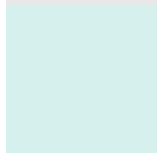
## Original Color

87.9363, 0.2755, 0.3397



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.5807, 0.2972, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.9363, 0.2755, 0.3397 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 87.9363, 0.2755, 0.3397 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, 245) }
```

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

```
.border{ border-color:rgb(181, 255, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.9363, 0.2755, 0.3397 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, 245) }
```

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

```
.background{ background-color: rgb(181,  
255, 245) }
```

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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