

# Converting Colors

$Yxy(87.8600, 0.2724, 0.3358)$

Have a look what the booklet for  
Yxy(87.8600, 0.2724, 0.3358)  
contains.

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# Color

**Yxy(87.8245, 0.2720, 0.3354)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2FFF9
RGB	178, 255, 249
RGB Percent	70%, 100%, 98%
CMY	0.3018, 0.0000, 0.0236
CMYK	0.30, 0.00, 0.02, 0.00
HSL	175°, 100%, 85%
HSV	175°, 30%, 100%
XYZ	71.2232, 87.8245, 102.8023
YIQ	231.2930, -43.9660, -18.1900

# Conversions

## Conversions Part 2

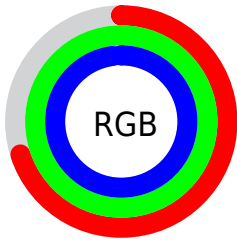
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 218, 255
Decimal	11730937
CIELab	95.09, -24.67, -4.68
CIElCh	95, 25.114, 190.731
Yxy	87.8245, 0.2720, 0.3354
Android (android.graphics.Color)	4289921017 (0xFFB2FFF9)
YUV	231.2930, 8.7296, -46.7380
Hunter-Lab	93.7147, -28.3407, 0.5609

# Details

The Yxy color **87.8245, 0.2720, 0.3354** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.5817, 0.3756, 0.3229**, and the grayscale version is **80.1066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **48.3760, 0.2628, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **84.9621, 0.2608, 0.3378**, and if you desaturate by 10%, it is **91.2560, 0.2845, 0.3331**.

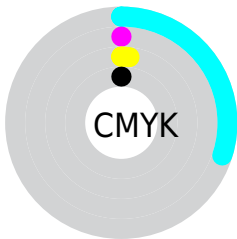
# Distribution



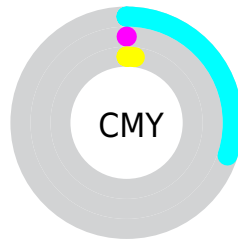
- Red (70%)
- Green (100%)
- Blue (98%)



- Red (70%)
- Yellow (85%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8245, 0.2720, 0.3354 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 87.8245, 0.2720, 0.3354 by changing the saturation by 10% instead.





 87.8245, 0.2720,  
0.3354

 87.8245, 0.2720,  
0.3354


520.9283, 0.2900,  
0.3328

 66.1777, 0.2681,  
0.3359


 144.3128, 0.2781,  
0.3345

 48.4167, 0.2633,  
0.3366


179.9231, 0.2805,  
0.3342

 34.1570, 0.2574,  
0.3373


220.9568, 0.2826,  
0.3339

 23.0142, 0.2499,  
0.3382

267.7981, 0.2845,  
0.3336

 14.6040, 0.2400,  
0.3392

320.8315, 0.2861,  
0.3334

 8.5420, 0.2266,  
0.3405

380.4414, 0.2876,

 4.4436, 0.2072,

0.3332

0.3419

447.0122, 0.2889,  
0.3330

■ 1.9247, 0.1770,  
0.3430

■ 0.5632, 0.0000,  
0.3746

■ 87.8245, 0.2720,  
0.3354

■ 87.8245, 0.2720,  
0.3354

■ 84.9621, 0.2608,  
0.3378

■ 91.2560, 0.2845,  
0.3331

■ 82.6269, 0.2513,  
0.3404

■ 95.2747, 0.2981,  
0.3310

■ 80.7886, 0.2436,  
0.3430

99.9108, 0.3125,  
0.3290

■ 79.4088, 0.2378,  
0.3457

99.9995, 0.3127,  
0.3290

■ 78.4439, 0.2340,  
0.3484

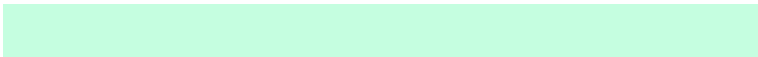
■ 77.8419, 0.2320,  
0.3511

■ 77.5207, 0.2316,  
0.3536

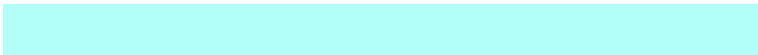
# Harmonies

## Analogous

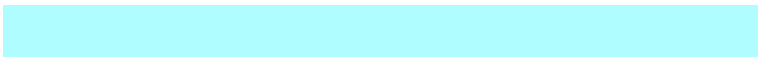
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8245, 0.2947, 0.3611



87.8245, 0.2720, 0.3354



87.8245, 0.2602, 0.3092

# Triad

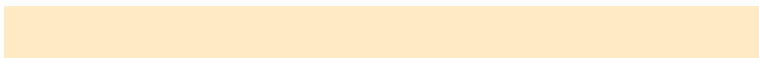
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8245, 0.2720, 0.3354



87.8245, 0.3006, 0.2859



87.8245, 0.3661, 0.3659

# Complementary

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



87.8245, 0.2720, 0.3354



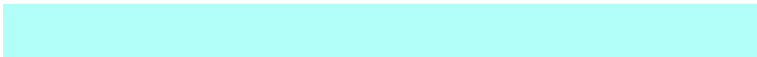
56.5817, 0.3756, 0.3229

# 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.



87.8245, 0.3683, 0.3447



87.8245, 0.2720, 0.3354



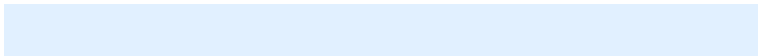
87.8245, 0.3294, 0.2998

# Square

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



87.8245, 0.2720, 0.3354



87.8245, 0.2761, 0.2821



87.8245, 0.3546, 0.3209

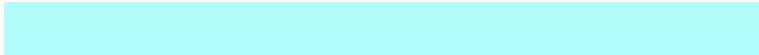


87.8245, 0.3492, 0.3784



# Rectangle

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



87.8245, 0.2720, 0.3354



87.8245, 0.2597, 0.2953



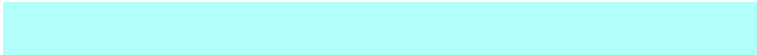
87.8245, 0.3546, 0.3209



87.8245, 0.3686, 0.3595

# Sweetspot

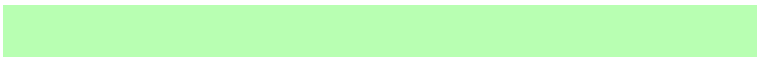
The Sweet Spot groups the original color and five complimentary colors.



87.8280, 0.2720, 0.3354



95.7891, 0.2998, 0.3307



84.9826, 0.3124, 0.4169



20.3673, 0.2977, 0.3310



0.0000, 0.0000, 0.0000

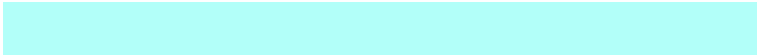


21.4041, 0.3127, 0.3290

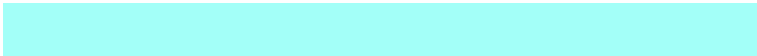


# Same Dimension

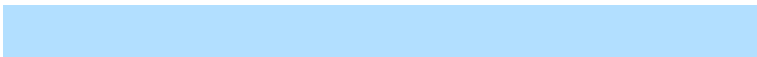
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8280, 0.2720, 0.3354



86.0937, 0.2653, 0.3368



69.4307, 0.2650, 0.2931



20.4555, 0.2991, 0.3308



40.5168, 0.2315, 0.3532



3.9520, 0.2306, 0.3502



# Inverse Universe

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



56.5817, 0.3756, 0.3229



50.4422, 0.3932, 0.3217



70.6230, 0.3712, 0.3623



18.0101, 0.3282, 0.3272



11.1432, 0.6319, 0.3255

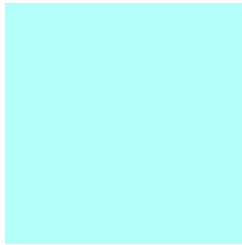


1.0926, 0.6143, 0.3158



# Previews

## White Background



This preview shows how the Yxy color 87.8245, 0.2720, 0.3354 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

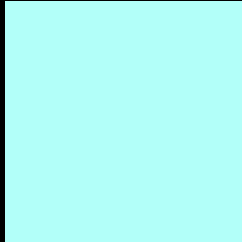
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.8245, 0.2720, 0.3354 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

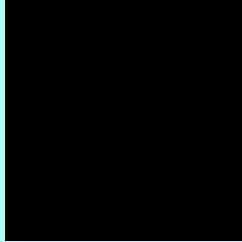
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.8245, 0.2720, 0.3354**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.8245, 0.2720, 0.3354.

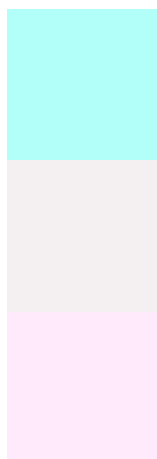


This preview shows how white text looks on a background with the Yxy color 87.8245, 0.2720, 0.3354.

# 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

87.8245, 0.2720, 0.3354

### Protanopia

87.2574, 0.3154, 0.3280

### Deuteranopia

87.1339, 0.3155, 0.3116



## Tritanopia

87.1237, 0.2890, 0.3187

# Trichromacy



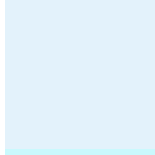
## Original Color

87.8245, 0.2720, 0.3354



## Protanomaly

86.9915, 0.2981, 0.3310



## Deuteranomaly

86.8002, 0.2979, 0.3198



## Tritanomaly

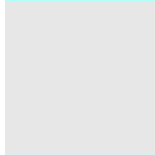
87.3998, 0.2822, 0.3247

# Monochromacy



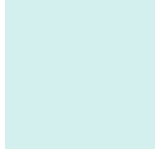
## Original Color

87.8245, 0.2720, 0.3354



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

82.4903, 0.2960, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.8245, 0.2720, 0.3354 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 87.8245, 0.2720, 0.3354 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, 249) }
```

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

```
.border{ border-color:rgb(178, 255, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.8245, 0.2720, 0.3354 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, 249) }
```

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

```
.background{ background-color: rgb(178,  
255, 249) }
```

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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