

# Converting Colors

Yxy(86.4618, 0.2720, 0.3444)

Have a look what the booklet for  
Yxy(86.4618, 0.2720, 0.3444)  
contains.

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# Color

**Yxy(86.4169, 0.2718, 0.3444)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAFF1
RGB	170, 255, 241
RGB Percent	67%, 100%, 95%
CMY	0.3337, 0.0000, 0.0549
CMYK	0.33, 0.00, 0.05, 0.00
HSL	170°, 100%, 83%
HSV	170°, 33%, 100%
XYZ	68.2001, 86.4169, 96.3032
YIQ	227.9890, -46.1660, -22.3740

# Conversions

## Conversions Part 2

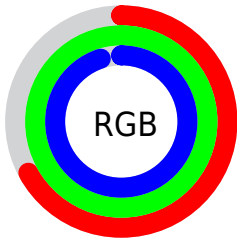
Format	Color
<b>RYB</b>	170, 216, 255
Decimal	11206641
CIELab	94.49, -28.62, -1.48
CIElCh	94, 28.660, 182.960
Yxy	86.4169, 0.2718, 0.3444
Android (android.graphics.Color)	4289396721 (0xFFFAAFF1)
YUV	227.9890, 6.4144, -50.8564
Hunter-Lab	92.9607, -31.7257, 3.6507

# Details

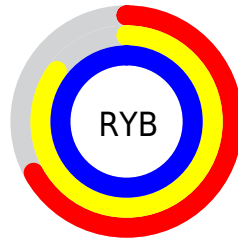
The Yxy color **86.4169, 0.2718, 0.3444** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.4341, 0.3781, 0.3145**, and the grayscale version is **77.5315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **47.4684, 0.2629, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **83.5896, 0.2619, 0.3498**, and if you desaturate by 10%, it is **89.7818, 0.2830, 0.3393**.

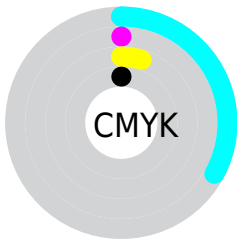
# Distribution



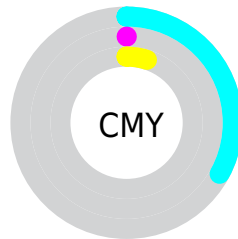
- Red (67%)
- Green (100%)
- Blue (95%)



- Red (67%)
- Yellow (85%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4169, 0.2718, 0.3444 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 86.4169, 0.2718, 0.3444 by changing the saturation by 10% instead.





 86.4169, 0.2718,  
0.3444

 86.4169, 0.2718,  
0.3444

516.3049, 0.2900,  
0.3376

 65.0128, 0.2678,  
0.3459


 142.3511, 0.2780,  
0.3421

 47.4714, 0.2629,  
0.3477


177.6500, 0.2805,  
0.3412

 33.4085, 0.2568,  
0.3499


218.3492, 0.2826,  
0.3404

 22.4396, 0.2491,  
0.3527

264.8333, 0.2844,  
0.3397

 14.1802, 0.2389,  
0.3563

317.4864, 0.2861,  
0.3391

 8.2461, 0.2249,  
0.3613

376.6932, 0.2876,

 4.2528, 0.2046,

0.3385

0.3683

442.8379, 0.2889,  
0.3381

■ 1.8160, 0.1724,  
0.3790

■ 0.4971, 0.0000,  
0.4354

■ 86.4169, 0.2718,  
0.3444

■ 86.4169, 0.2718,  
0.3444

■ 83.5896, 0.2619,  
0.3498

■ 89.7818, 0.2830,  
0.3393

■ 81.2966, 0.2536,  
0.3554

■ 93.7426, 0.2953,  
0.3346

■ 79.4932, 0.2471,  
0.3613

■ 98.3170, 0.3082,  
0.3304

■ 78.1394, 0.2426,  
0.3672

100.0000, 0.3127,  
0.3290

■ 77.1894, 0.2400,  
0.3732

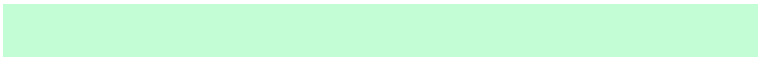
■ 76.5872, 0.2394,  
0.3791

■ 76.3262, 0.2397,  
0.3830

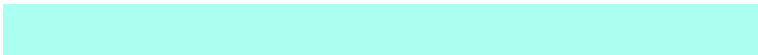
# Harmonies

## Analogous

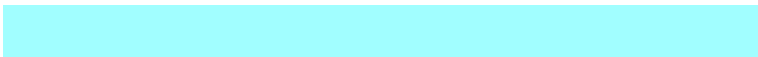
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4169, 0.3000, 0.3723



86.4169, 0.2718, 0.3444



86.4169, 0.2549, 0.3133

# Triad

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



86.4169, 0.2718, 0.3444



86.4169, 0.2906, 0.2776



86.4169, 0.3764, 0.3653

# Complementary

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



86.4169, 0.2718, 0.3444



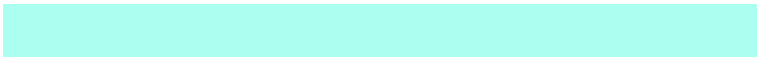
53.4341, 0.3781, 0.3145

# 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.



86.4169, 0.3742, 0.3396



86.4169, 0.2718, 0.3444



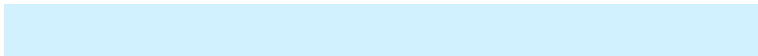
86.4169, 0.3232, 0.2907

# Square

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



86.4169, 0.2718, 0.3444



86.4169, 0.2653, 0.2765



86.4169, 0.3543, 0.3129

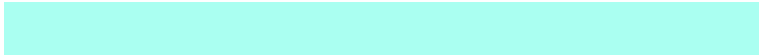


86.4169, 0.3608, 0.3832



# Rectangle

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



86.4169, 0.2718, 0.3444



86.4169, 0.2517, 0.2958



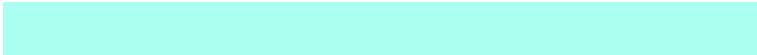
86.4169, 0.3543, 0.3129



86.4169, 0.3778, 0.3572

# Sweetspot

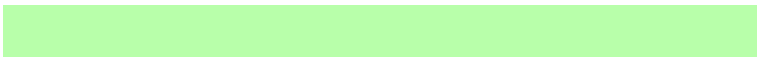
The Sweet Spot groups the original color and five complimentary colors.



86.4073, 0.2718, 0.3444



95.2131, 0.2996, 0.3331



84.6210, 0.3165, 0.4265



20.2463, 0.2978, 0.3338



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

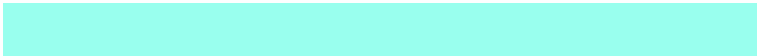


# Same Dimension

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



86.4073, 0.2718, 0.3444



84.4781, 0.2651, 0.3479



70.4967, 0.2610, 0.2969



20.4271, 0.3002, 0.3329



39.9012, 0.2394, 0.3820



3.8981, 0.2376, 0.3752



# Inverse Universe

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



53.4341, 0.3781, 0.3145



46.9365, 0.3974, 0.3116



64.6733, 0.3814, 0.3588



18.0358, 0.3268, 0.3251



11.2102, 0.6166, 0.3171

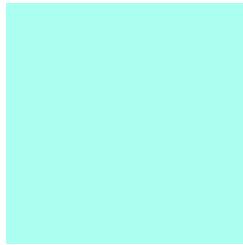


1.1046, 0.5888, 0.3017



# Previews

## White Background



This preview shows how the Yxy color 86.4169, 0.2718, 0.3444 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

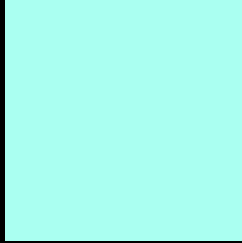
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.4169, 0.2718, 0.3444 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

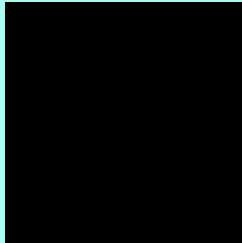
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.4169, 0.2718, 0.3444**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.4169, 0.2718, 0.3444.

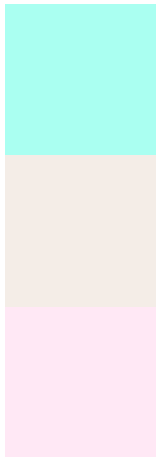


This preview shows how white text looks on a background with the Yxy color 86.4169, 0.2718, 0.3444.

# 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

86.4169, 0.2718, 0.3444

### Protanopia

85.5710, 0.3212, 0.3351

### Deuteranopia

85.5658, 0.3201, 0.3163



## Tritanopia

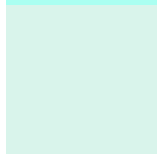
85.6230, 0.2854, 0.3175

# Trichromacy



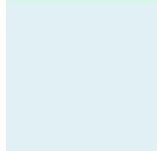
## Original Color

86.4169, 0.2718, 0.3444



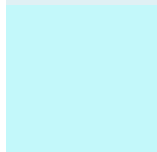
## Protanomaly

85.4512, 0.3008, 0.3384



## Deuteranomaly

84.6991, 0.3000, 0.3248



## Tritanomaly

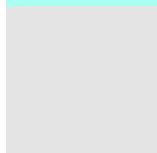
85.6390, 0.2798, 0.3268

# Monochromacy



## Original Color

86.4169, 0.2718, 0.3444



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

80.2977, 0.2957, 0.3344

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.4169, 0.2718, 0.3444 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(170, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 241)  
}
```

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(170, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 86.4169, 0.2718, 0.3444 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(170, 255, 241) }
```

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

```
.border{ border-color:rgb(170, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.4169, 0.2718, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 241) }
```

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

```
.background{ background-color: rgb(170,  
255, 241) }
```

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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