

# Converting Colors

$Yxy(88.4858, 0.2748, 0.3513)$

Have a look what the booklet for  
Yxy(88.4858, 0.2748, 0.3513)  
contains.

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# Color

**Yxy(86.4637, 0.2743, 0.3477)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACFFEE
RGB	172, 255, 238
RGB Percent	67%, 100%, 93%
CMY	0.3254, 0.0000, 0.0666
CMYK	0.33, 0.00, 0.07, 0.00
HSL	168°, 100%, 84%
HSV	168°, 33%, 100%
XYZ	68.2111, 86.4637, 93.9985
YIQ	228.2450, -44.0110, -22.8830

# Conversions

## Conversions Part 2

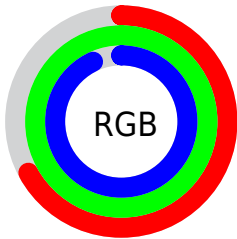
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 218, 255
Decimal	11337710
CIELab	94.51, -28.68, 0.10
CIELCh	95, 28.684, 179.803
Yxy	86.4637, 0.2743, 0.3477
Android (android.graphics.Color)	4289527790 (0xFFACFFEE)
YUV	228.2450, 4.8092, -49.3269
Hunter-Lab	92.9859, -31.7841, 5.1544

# Details

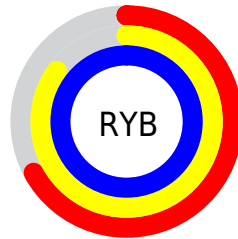
The Yxy color **86.4637, 0.2743, 0.3477** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.4469, 0.3728, 0.3114**, and the grayscale version is **77.7658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **47.4786, 0.2658, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **83.5507, 0.2647, 0.3544**, and if you desaturate by 10%, it is **89.9461, 0.2852, 0.3414**.

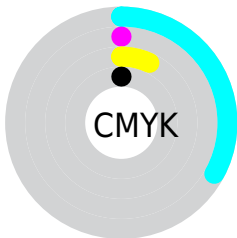
# Distribution



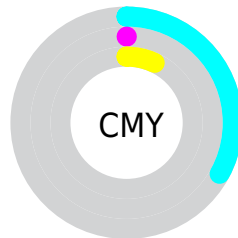
- Red (67%)
- Green (100%)
- Blue (93%)



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



- Cyan (33%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4637, 0.2743, 0.3477 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 86.4637, 0.2743, 0.3477 by changing the saturation by 10% instead.




 86.4637, 0.2743,  
0.3477

 86.4637, 0.2743,  
0.3477


516.4590, 0.2915,  
0.3393

 65.0515, 0.2705,  
0.3495


 142.4164, 0.2801,  
0.3449

 47.5028, 0.2659,  
0.3518


177.7257, 0.2825,  
0.3437

 33.4333, 0.2602,  
0.3546


218.4361, 0.2845,  
0.3428

 22.4586, 0.2528,  
0.3581

264.9320, 0.2862,  
0.3419

 14.1943, 0.2432,  
0.3629

317.5979, 0.2878,  
0.3412

 8.2559, 0.2298,  
0.3694

376.8180, 0.2891,

 4.2591, 0.2102,

0.3405

0.3789

442.9770, 0.2904,  
0.3399

■ 1.8195, 0.1791,  
0.3942

■ 0.4993, 0.0000,  
0.4819

■ 86.4637, 0.2743,  
0.3477

■ 86.4637, 0.2743,  
0.3477

■ 83.5507, 0.2647,  
0.3544

■ 89.9461, 0.2852,  
0.3414

■ 81.1648, 0.2566,  
0.3616


■ 94.0168, 0.2970,  
0.3356

■ 79.2745, 0.2502,  
0.3689

■ 98.7065, 0.3095,  
0.3303

■ 77.8404, 0.2458,  
0.3765

99.9999, 0.3127,  
0.3290

 76.8171, 0.2435,  
0.3840

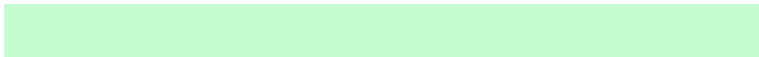
 76.1497, 0.2430,  
0.3916

 75.8234, 0.2437,  
0.3972

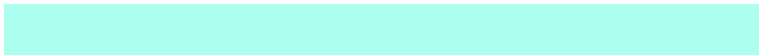
# Harmonies

## Analogous

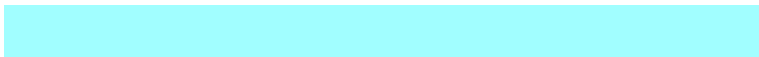
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4637, 0.3033, 0.3746



86.4637, 0.2743, 0.3477



86.4637, 0.2560, 0.3163

# Triad

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



86.4637, 0.2743, 0.3477



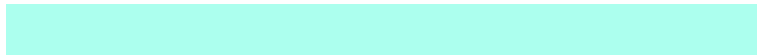
86.4637, 0.2875, 0.2768



86.4637, 0.3771, 0.3628

# Complementary

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



86.4637, 0.2743, 0.3477



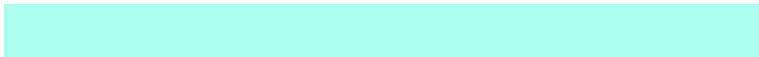
54.4469, 0.3728, 0.3114

# 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.



86.4637, 0.3729, 0.3367



86.4637, 0.2743, 0.3477



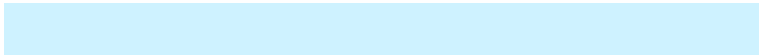
86.4637, 0.3197, 0.2888

# Square

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



86.4637, 0.2743, 0.3477



86.4637, 0.2633, 0.2771



86.4637, 0.3514, 0.3102

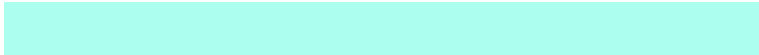


86.4637, 0.3632, 0.3819



# Rectangle

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



86.4637, 0.2743, 0.3477



86.4637, 0.2517, 0.2982



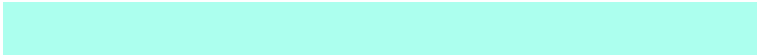
86.4637, 0.3514, 0.3102



86.4637, 0.3778, 0.3546

# Sweetspot

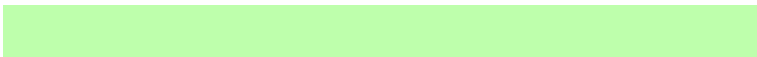
The Sweet Spot groups the original color and five complimentary colors.



86.4672, 0.2743, 0.3477



95.1489, 0.3001, 0.3342



85.4463, 0.3190, 0.4229



20.2307, 0.2984, 0.3349



0.0000, 0.0000, 0.0000

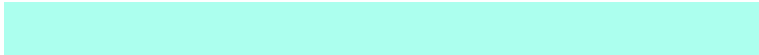


21.4041, 0.3127, 0.3290

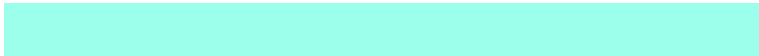


# Same Dimension

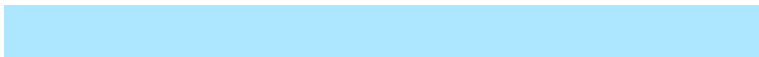
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4672, 0.2743, 0.3477



84.5212, 0.2679, 0.3520



73.4189, 0.2629, 0.3026



20.4140, 0.3007, 0.3339



39.6417, 0.2433, 0.3959



3.8751, 0.2409, 0.3873



# Inverse Universe

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



54.4469, 0.3728, 0.3114



48.0167, 0.3903, 0.3078



63.5080, 0.3806, 0.3538



18.0478, 0.3262, 0.3242



11.2562, 0.6068, 0.3116

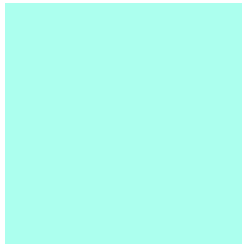


1.1108, 0.5768, 0.2951



# Previews

## White Background



This preview shows how the Yxy color 86.4637, 0.2743, 0.3477 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

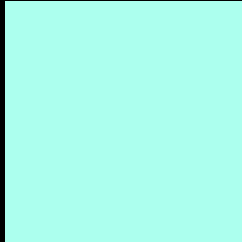
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.4637, 0.2743, 0.3477 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

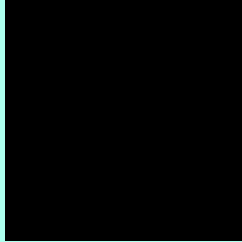
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.4637, 0.2743, 0.3477**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.4637, 0.2743, 0.3477.

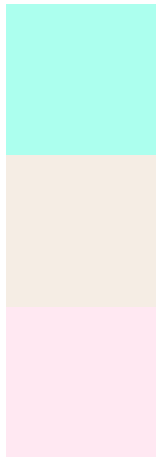


This preview shows how white text looks on a background with the Yxy color 86.4637, 0.2743, 0.3477.

# 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

86.4637, 0.2743, 0.3477

### Protanopia

85.5823, 0.3237, 0.3381

### Deuteranopia

85.3840, 0.3220, 0.3192



## Tritanopia

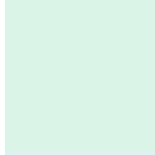
85.7703, 0.2860, 0.3175

# Trichromacy



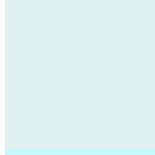
## Original Color

86.4637, 0.2743, 0.3477



## Protanomaly

85.4330, 0.3032, 0.3416



## Deuteranomaly

84.6786, 0.3024, 0.3279



## Tritanomaly

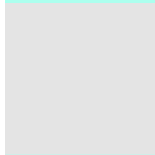
85.8447, 0.2814, 0.3278

# Monochromacy



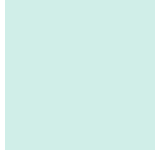
## Original Color

86.4637, 0.2743, 0.3477



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

80.3852, 0.2969, 0.3354

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.4637, 0.2743, 0.3477 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(172, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 238)  
}
```

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(172, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 86.4637, 0.2743, 0.3477 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(172, 255, 238) }
```

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

```
.border{ border-color:rgb(172, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.4637, 0.2743, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 238) }
```

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

```
.background{ background-color: rgb(172,  
255, 238) }
```

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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