

# Converting Colors

$Yxy(86.1788, 0.2638, 0.3340)$

Have a look what the booklet for  
Yxy(86.1788, 0.2638, 0.3340)  
contains.

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# Color

**Yxy(86.1035, 0.2637, 0.3344)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2FFFA
RGB	162, 255, 250
RGB Percent	64%, 100%, 98%
CMY	0.3651, 0.0000, 0.0196
CMYK	0.37, 0.00, 0.02, 0.00
HSL	177°, 100%, 82%
HSV	177°, 37%, 100%
XYZ	67.8992, 86.1035, 103.4838
YIQ	226.6230, -53.8230, -21.2710

# Conversions

## Conversions Part 2

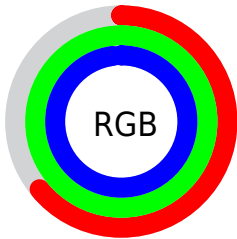
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	162, 210, 255
Decimal	10682362
CIE Lab	94.36, -28.70, -6.37
CIE LCh	94, 29.402, 192.508
Yxy	86.1035, 0.2637, 0.3344
Android (android.graphics.Color)	4288872442 (0xFFA2FFFA)
YUV	226.6230, 11.5249, -56.6744
Hunter-Lab	92.7920, -31.7711, -1.1673

# Details

The Yxy color **86.1035, 0.2637, 0.3344** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.8496, 0.3971, 0.3240**, and the grayscale version is **76.4474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **47.2865, 0.2530, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **83.6040, 0.2533, 0.3361**, and if you desaturate by 10%, it is **89.1231, 0.2756, 0.3328**.

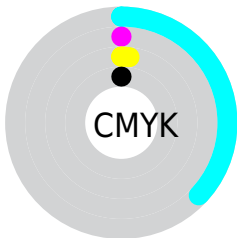
# Distribution



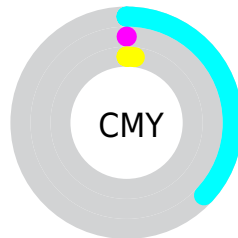
- Red (64%)
- Green (100%)
- Blue (98%)



- Red (64%)
- Yellow (82%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (37%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1035, 0.2637, 0.3344 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 86.1035, 0.2637, 0.3344 by changing the saturation by 10% instead.





 86.1035, 0.2637,  
0.3344

 86.1035, 0.2637,  
0.3344


515.2724, 0.2854,  
0.3323

 64.7536, 0.2590,  
0.3348


 141.9139, 0.2711,  
0.3338

 47.2613, 0.2532,  
0.3352


 177.1432, 0.2740,  
0.3335

 33.2423, 0.2461,  
0.3357


217.7677, 0.2765,  
0.3333

 22.3121, 0.2371,  
0.3362

264.1718, 0.2787,  
0.3330

 14.0864, 0.2253,  
0.3366

316.7399, 0.2807,  
0.3328

 8.1808, 0.2093,  
0.3370

375.8565, 0.2824,

 4.2108, 0.1863,

0.3327

441.9059, 0.2840,  
0.3325

0.3368

1.7922, 0.1512,  
0.3346

0.4823, 0.0000,  
0.3320

86.1035, 0.2637,  
0.3344

86.1035, 0.2637,  
0.3344

83.6040, 0.2533,  
0.3361

89.1231, 0.2756,  
0.3328

81.6244, 0.2447,  
0.3378

92.7257, 0.2889,  
0.3312

80.1172, 0.2381,  
0.3396

96.9283, 0.3031,  
0.3298

79.0411, 0.2334,  
0.3415

100.0000, 0.3127,  
0.3290

■ 78.3475, 0.2306,  
0.3433

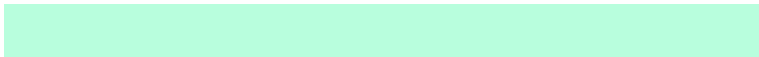
■ 77.9756, 0.2295,  
0.3450

■ 77.8895, 0.2294,  
0.3456

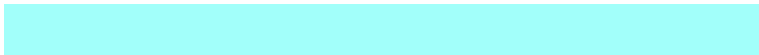
# Harmonies

## Analogous

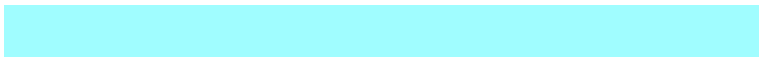
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1035, 0.2895, 0.3655



86.1035, 0.2637, 0.3344



86.1035, 0.2509, 0.3037

# Triad

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



86.1035, 0.2637, 0.3344



86.1035, 0.3002, 0.2794



86.1035, 0.3749, 0.3732

# Complementary

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



86.1035, 0.2637, 0.3344



49.8496, 0.3971, 0.3240

# 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.



86.1035, 0.3787, 0.3486



86.1035, 0.2637, 0.3344



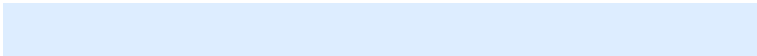
86.1035, 0.3343, 0.2962

# Square

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



86.1035, 0.2637, 0.3344



86.1035, 0.2711, 0.2741



86.1035, 0.3636, 0.3209

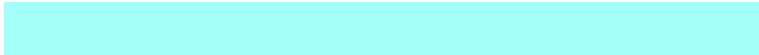


86.1035, 0.3539, 0.3877



# Rectangle

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



86.1035, 0.2637, 0.3344



86.1035, 0.2510, 0.2880



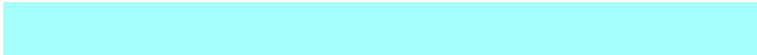
86.1035, 0.3636, 0.3209



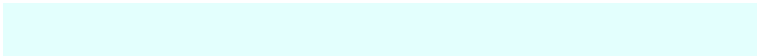
86.1035, 0.3783, 0.3658

# Sweetspot

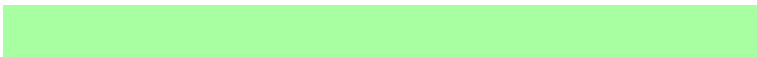
The Sweet Spot groups the original color and five complimentary colors.



86.0926, 0.2637, 0.3344



94.9662, 0.2966, 0.3305



82.4609, 0.3111, 0.4389



20.2050, 0.2947, 0.3306



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

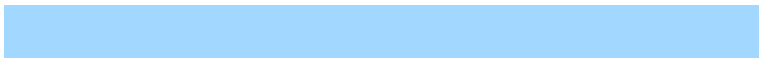
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.0926, 0.2637, 0.3344



84.1799, 0.2558, 0.3356



63.3154, 0.2548, 0.2823



20.4636, 0.2987, 0.3303



40.7063, 0.2293, 0.3453



3.9684, 0.2287, 0.3433



# Inverse Universe

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



49.8496, 0.3971, 0.3240



43.0092, 0.4239, 0.3230



66.2188, 0.3863, 0.3711



18.0029, 0.3286, 0.3278



11.1313, 0.6347, 0.3270

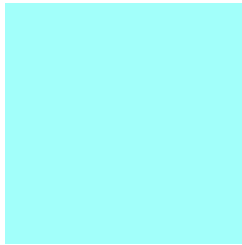


1.0891, 0.6221, 0.3201



# Previews

## White Background



This preview shows how the Yxy color 86.1035, 0.2637, 0.3344 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

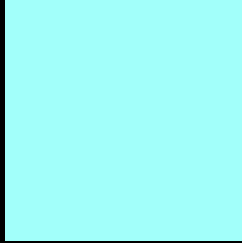
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.1035, 0.2637, 0.3344 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

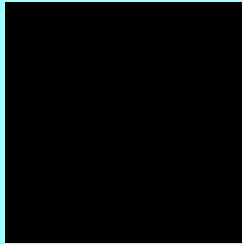
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.1035, 0.2637, 0.3344**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.1035, 0.2637, 0.3344.

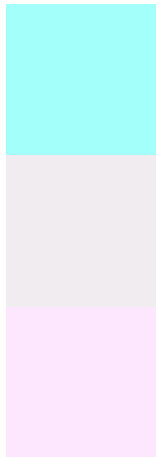


This preview shows how white text looks on a background with the Yxy color 86.1035, 0.2637, 0.3344.

# 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

86.1035, 0.2637, 0.3344

### Protanopia

84.9237, 0.3142, 0.3260

### Deuteranopia

85.2545, 0.3125, 0.3057



## Tritanopia

85.7902, 0.2838, 0.3185

# Trichromacy



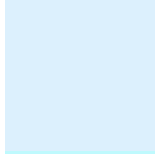
## Original Color

86.1035, 0.2637, 0.3344



## Protanomaly

84.5693, 0.2932, 0.3289



## Deuteranomaly

84.6277, 0.2924, 0.3156



## Tritanomaly

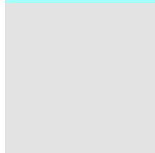
85.9196, 0.2762, 0.3246

# Monochromacy



## Original Color

86.1035, 0.2637, 0.3344



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

79.2630, 0.2920, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.1035, 0.2637, 0.3344 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(162, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(162, 255, 250)  
}
```

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(162, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 255, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 86.1035, 0.2637, 0.3344 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(162, 255, 250) }
```

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

```
.border{ border-color:rgb(162, 255, 250) }
```

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

Here you see how a box with a 4 pixel rgb(162, 255, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(162, 255,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.1035, 0.2637, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 255, 250) }
```

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

```
.background{ background-color: rgb(162,  
255, 250) }
```

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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