

Converting Colors

$Yxy(86.6515, 0.2661, 0.3342)$

Have a look what the booklet for
Yxy(86.6515, 0.2661, 0.3342)
contains.

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Color

Yxy(86.6376, 0.2661, 0.3344)

Conversions

Conversions Part 1

Format	Color
Hex	A7FFFA
RGB	167, 255, 250
RGB Percent	65%, 100%, 98%
CMY	0.3452, 0.0000, 0.0197
CMYK	0.35, 0.00, 0.02, 0.00
HSL	177°, 100%, 83%
HSV	177°, 35%, 100%
XYZ	68.9422, 86.6376, 103.5040
YIQ	228.1180, -50.8430, -20.2110

Conversions

Conversions Part 2

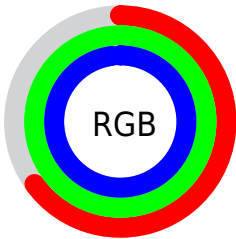
Format	Color
RYB	167, 212, 255
Decimal	11010042
CIELab	94.58, -27.41, -5.99
CIELCh	95, 28.056, 192.324
Yxy	86.6376, 0.2661, 0.3344
Android (android.graphics.Color)	4289200122 (0xFFA7FFFA)
YUV	228.1180, 10.7878, -53.6005
Hunter-Lab	93.0793, -30.6771, -0.7748

Details

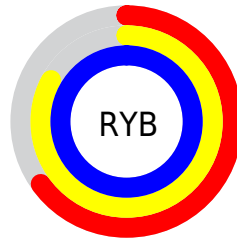
The Yxy color **86.6376, 0.2661, 0.3344** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.8651, 0.3903, 0.3239**, and the grayscale version is **77.6111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **47.6627, 0.2561, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **84.0331, 0.2554, 0.3362**, and if you desaturate by 10%, it is **89.7799, 0.2783, 0.3327**.

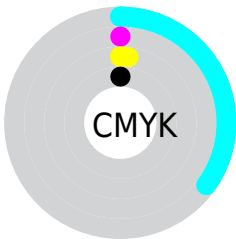
Distribution



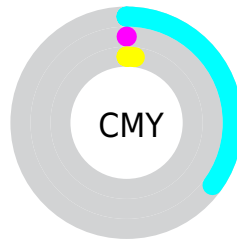
- Red (65%)
- Green (100%)
- Blue (98%)



- Red (65%)
- Yellow (83%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6376, 0.2661, 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 86.6376, 0.2661, 0.3344 by changing the saturation by 10% instead.


 86.6376, 0.2661,
0.3344

 86.6376, 0.2661,
0.3344


517.0313, 0.2867,
0.3323

 65.1953, 0.2616,
0.3348

 142.6589, 0.2731,
0.3337

 47.6195, 0.2561,
0.3352


178.0067, 0.2759,
0.3335

 33.5257, 0.2494,
0.3357


218.7586, 0.2783,
0.3332

 22.5294, 0.2408,
0.3363

265.2988, 0.2804,
0.3330

 14.2464, 0.2296,
0.3369

318.0118, 0.2822,
0.3328

 8.2923, 0.2143,
0.3374

377.2819, 0.2839,

 4.2825, 0.1924,

0.3326

443.4936, 0.2854,
0.3325

0.3375

1.8328, 0.1587,
0.3360

0.5075, 0.0000,
0.3432

86.6376, 0.2661,
0.3344

86.6376, 0.2661,
0.3344

84.0331, 0.2554,
0.3362

89.7799, 0.2783,
0.3327

81.9496, 0.2465,
0.3381

93.5052, 0.2917,
0.3311

80.3463, 0.2395,
0.3400

97.8361, 0.3060,
0.3296

79.1828, 0.2344,
0.3419

100.0000, 0.3127,
0.3290

■ 78.4123, 0.2313,
0.3438

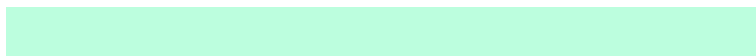
■ 77.9773, 0.2299,
0.3457

■ 77.8365, 0.2297,
0.3468

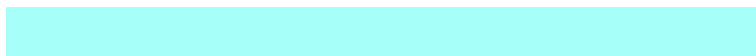
Harmonies

Analogous

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



86.6376, 0.2908, 0.3638



86.6376, 0.2661, 0.3344



86.6376, 0.2538, 0.3051

Triad

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



86.6376, 0.2661, 0.3344



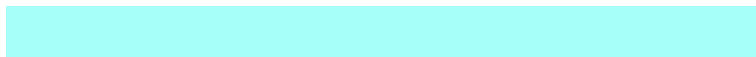
86.6376, 0.3007, 0.2815



86.6376, 0.3720, 0.3711

Complementary

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



86.6376, 0.2661, 0.3344



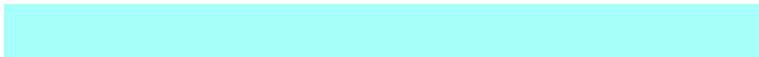
51.8651, 0.3903, 0.3239

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.



86.6376, 0.3755, 0.3477



86.6376, 0.2661, 0.3344



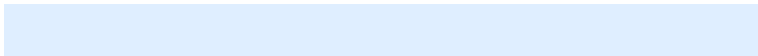
86.6376, 0.3331, 0.2975

Square

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



86.6376, 0.2661, 0.3344



86.6376, 0.2729, 0.2766



86.6376, 0.3610, 0.3212



86.6376, 0.3521, 0.3848

Rectangle

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



86.6376, 0.2661, 0.3344



86.6376, 0.2537, 0.2901



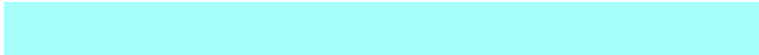
86.6376, 0.3610, 0.3212



86.6376, 0.3752, 0.3641

Sweetspot

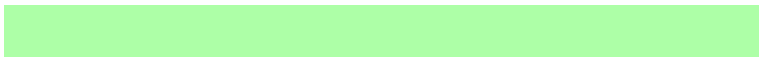
The Sweet Spot groups the original color and five complimentary colors.



86.6324, 0.2661, 0.3344



95.3869, 0.2981, 0.3304



83.1748, 0.3113, 0.4320



20.2887, 0.2961, 0.3306



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

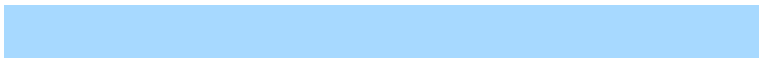
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6324, 0.2661, 0.3344



84.8878, 0.2590, 0.3355



64.9826, 0.2579, 0.2853



20.4625, 0.2988, 0.3303



40.6790, 0.2296, 0.3465



3.9660, 0.2290, 0.3443

Inverse Universe

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



51.8651, 0.3903, 0.3239



45.6314, 0.4124, 0.3230



67.7673, 0.3813, 0.3688



18.0039, 0.3285, 0.3277



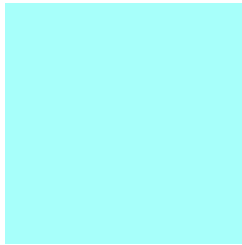
11.1328, 0.6343, 0.3268



1.0896, 0.6210, 0.3194

Previews

White Background



This preview shows how the Yxy color 86.6376, 0.2661, 0.3344 looks on a white background.

Color Contrast Check

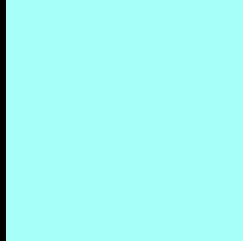
Large Text (above 18pt) WCAG AA × Fail

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 86.6376, 0.2661, 0.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

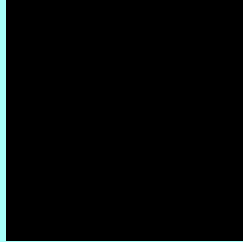
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.6376, 0.2661, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 86.6376, 0.2661, 0.3344.

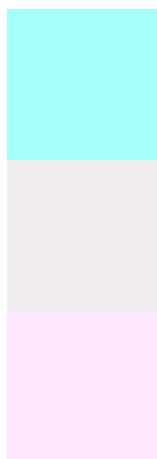


This preview shows how white text looks on a background with the Yxy color 86.6376, 0.2661, 0.3344.

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

86.6376, 0.2661, 0.3344

Protanopia

85.6776, 0.3148, 0.3270

Deuteranopia

85.4427, 0.3131, 0.3058



Tritanopia

86.2265, 0.2855, 0.3185

Trichromacy



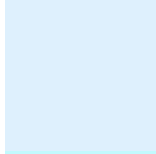
Original Color

86.6376, 0.2661, 0.3344



Protanomaly

85.6195, 0.2950, 0.3300



Deuteranomaly

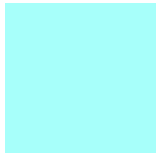
84.9416, 0.2936, 0.3156



Tritanomaly

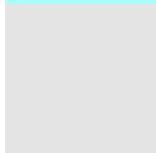
86.3125, 0.2778, 0.3247

Monochromacy



Original Color

86.6376, 0.2661, 0.3344



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.3270, 0.2933, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6376, 0.2661, 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(167, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 250) }
```

Border

The CSS property to change the border of an element to Yxy 86.6376, 0.2661, 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(167, 255, 250) }
```

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

```
.border{ border-color:rgb(167, 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(167, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6376, 0.2661, 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(167, 255, 250) }
```

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

```
.background{ background-color: rgb(167,  
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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