

Converting Colors

$Y_{xy}(100.0000, 0.2679, 0.3625)$

Have a look what the booklet for
Yxy(100.0000, 0.2679, 0.3625)
contains.

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Color

Yxy(85.5862, 0.2651, 0.3400)

Conversions

Conversions Part 1

Format	Color
Hex	A0FFF5
RGB	160, 255, 245
RGB Percent	63%, 100%, 96%
CMY	0.3728, 0.0000, 0.0391
CMYK	0.37, 0.00, 0.04, 0.00
HSL	174°, 100%, 81%
HSV	174°, 37%, 100%
XYZ	66.7321, 85.5862, 99.4059
YIQ	225.4550, -53.4100, -23.2500

Conversions

Conversions Part 2

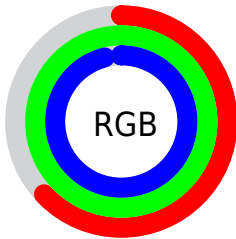
Format	Color
RYB	160, 210, 255
Decimal	10551285
CIELab	94.14, -30.33, -4.13
CIELCh	94, 30.606, 187.759
Yxy	85.5862, 0.2651, 0.3400
Android (android.graphics.Color)	4288741365 (0xFFA0FFF5)
YUV	225.4550, 9.6357, -57.4040
Hunter-Lab	92.5128, -33.1404, 1.0513

Details

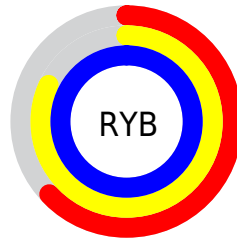
The Yxy color **85.5862, 0.2651, 0.3400** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.2806, 0.3948, 0.3187**, and the grayscale version is **75.5857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **46.9459, 0.2548, 0.3420** is the 20% darker color. If you saturate the color by 10%, you get **83.0564, 0.2553, 0.3434**, and if you desaturate by 10%, it is **88.6480, 0.2764, 0.3367**.

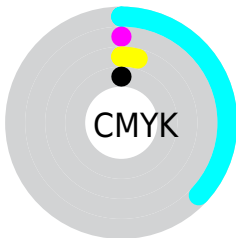
Distribution



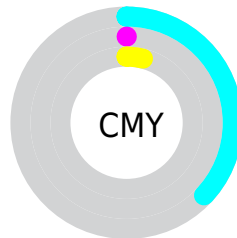
- Red (63%)
- Green (100%)
- Blue (96%)



- Red (63%)
- Yellow (82%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (37%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5862, 0.2651, 0.3400 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 85.5862, 0.2651, 0.3400 by changing the saturation by 10% instead.


 85.5862, 0.2651,
0.3400

 85.5862, 0.2651,
0.3400


513.5658, 0.2863,
0.3353

 64.3259, 0.2605,
0.3410


 141.1919, 0.2723,
0.3385

 46.9146, 0.2548,
0.3421


 176.3060, 0.2751,
0.3378

 32.9682, 0.2478,
0.3435


216.8069, 0.2776,
0.3373

 22.1021, 0.2390,
0.3452

263.0789, 0.2798,
0.3368

 13.9319, 0.2273,
0.3474

315.5063, 0.2817,
0.3364

 8.0733, 0.2114,
0.3501


374.4737, 0.2834,


 4.1419, 0.1885,


0.3360

440.3654, 0.2849,
0.3356


0.3535


 1.7533, 0.1524,
0.3577


 0.4578, 0.0000,
0.3677


 85.5862, 0.2651,
0.3400


 85.5862, 0.2651,
0.3400


 83.0564, 0.2553,
0.3434

 88.6480, 0.2764,
0.3367

 81.0392, 0.2472,
0.3470

 92.2860, 0.2890,
0.3337

 79.4932, 0.2410,
0.3506

 96.5238, 0.3025,
0.3309

 78.3766, 0.2369,
0.3543

100.0000, 0.3127,
0.3290

 77.6400, 0.2346,
0.3579

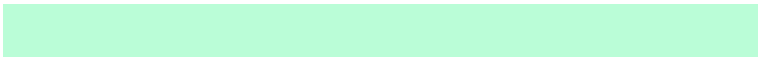
 77.2200, 0.2340,
0.3616

 77.1346, 0.2340,
0.3625

Harmonies

Analogous

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



85.5862, 0.2936, 0.3715



85.5862, 0.2651, 0.3400



85.5862, 0.2495, 0.3071

Triad

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



85.5862, 0.2651, 0.3400



85.5862, 0.2943, 0.2756



85.5862, 0.3795, 0.3714

Complementary

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



85.5862, 0.2651, 0.3400



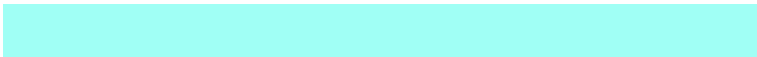
49.2806, 0.3948, 0.3187

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.



85.5862, 0.3804, 0.3448



85.5862, 0.2651, 0.3400



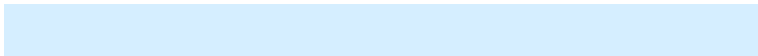
85.5862, 0.3296, 0.2914

Square

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



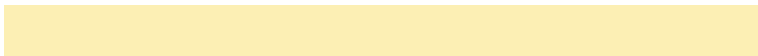
85.5862, 0.2651, 0.3400



85.5862, 0.2655, 0.2722



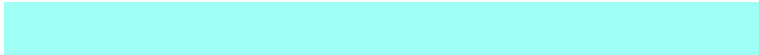
85.5862, 0.3618, 0.3161



85.5862, 0.3600, 0.3888

Rectangle

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



85.5862, 0.2651, 0.3400



85.5862, 0.2478, 0.2896



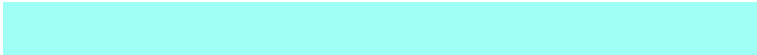
85.5862, 0.3618, 0.3161



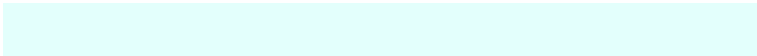
85.5862, 0.3821, 0.3632

Sweetspot

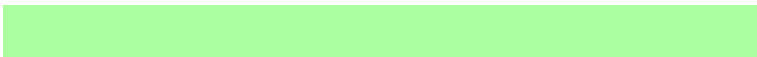
The Sweet Spot groups the original color and five complimentary colors.



85.5816, 0.2651, 0.3400



94.8746, 0.2974, 0.3319



82.7175, 0.3138, 0.4407



20.1830, 0.2955, 0.3323



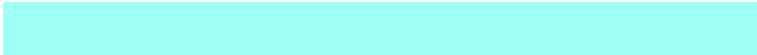
0.0000, 0.0000, 0.0000



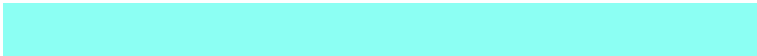
21.4041, 0.3127, 0.3290

Same Dimension

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



85.5816, 0.2651, 0.3400



83.5856, 0.2574, 0.3426



65.1219, 0.2544, 0.2869



20.4467, 0.2994, 0.3315



40.3178, 0.2339, 0.3619



3.9347, 0.2327, 0.3578

Inverse Universe

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



49.2806, 0.3948, 0.3187



42.3659, 0.4213, 0.3168



63.4479, 0.3901, 0.3672



18.0180, 0.3278, 0.3265



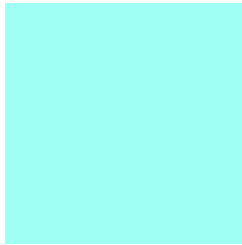
11.1596, 0.6281, 0.3234



1.0963, 0.6061, 0.3112

Previews

White Background



This preview shows how the Yxy color 85.5862, 0.2651, 0.3400 looks on a white background.

Color Contrast Check

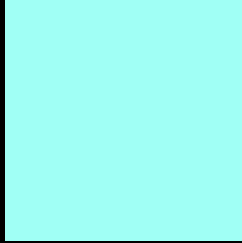
Large Text (above 18pt) WCAG AA × Fail

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 85.5862, 0.2651, 0.3400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

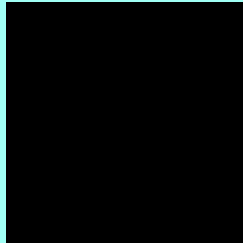
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.5862, 0.2651, 0.3400

Background



This preview shows how black text looks on a background with the Yxy color 85.5862, 0.2651, 0.3400.

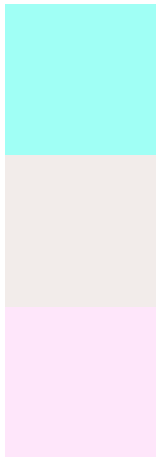


This preview shows how white text looks on a background with the Yxy color 85.5862, 0.2651, 0.3400.

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

85.5862, 0.2651, 0.3400

Protanopia

84.8087, 0.3180, 0.3310

Deuteranopia

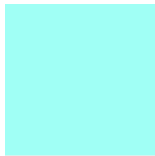
84.5666, 0.3163, 0.3095



Tritanopia

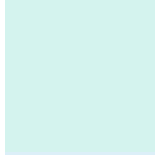
84.9005, 0.2825, 0.3174

Trichromacy



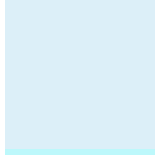
Original Color

85.5862, 0.2651, 0.3400



Protanomaly

84.2713, 0.2960, 0.3342



Deuteranomaly

83.7260, 0.2952, 0.3196



Tritanomaly

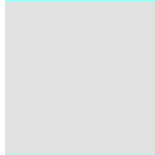
84.9187, 0.2760, 0.3257

Monochromacy



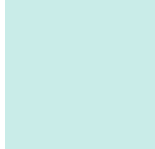
Original Color

85.5862, 0.2651, 0.3400



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2346, 0.2925, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5862, 0.2651, 0.3400 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(160, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 245)  
}
```

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(160, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 245) }
```

Border

The CSS property to change the border of an element to Yxy 85.5862, 0.2651, 0.3400 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(160, 255, 245) }
```

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

```
.border{ border-color:rgb(160, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5862, 0.2651, 0.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 245) }
```

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

```
.background{ background-color: rgb(160,  
255, 245) }
```

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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