

Converting Colors

$Y_{xy}(85.0302, 0.2609, 0.3374)$

Have a look what the booklet for
Yxy(85.0302, 0.2609, 0.3374)
contains.

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Color

Yxy(85.0077, 0.2610, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	99FFF7
RGB	153, 255, 247
RGB Percent	60%, 100%, 97%
CMY	0.4002, 0.0000, 0.0313
CMYK	0.40, 0.00, 0.03, 0.00
HSL	175°, 100%, 80%
HSV	175°, 40%, 100%
XYZ	65.6809, 85.0077, 100.9624
YIQ	223.5900, -58.2240, -24.1120

Conversions

Conversions Part 2

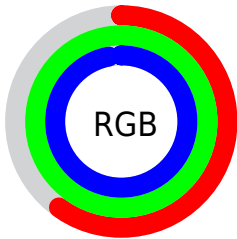
Format	Color
RYB	153, 206, 255
Decimal	10092535
CIELab	93.89, -31.60, -5.57
CIELCh	94, 32.086, 189.994
Yxy	85.0077, 0.2610, 0.3378
Android (android.graphics.Color)	4288282615 (0xFF99FFF7)
YUV	223.5900, 11.5411, -61.9074
Hunter-Lab	92.1996, -34.1900, -0.3853

Details

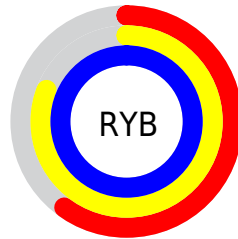
The Yxy color **85.0077, 0.2610, 0.3378** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.5967, 0.4066, 0.3209**, and the grayscale version is **74.1712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **46.5827, 0.2498, 0.3391** is the 20% darker color. If you saturate the color by 10%, you get **82.6614, 0.2514, 0.3403**, and if you desaturate by 10%, it is **87.8791, 0.2722, 0.3354**.

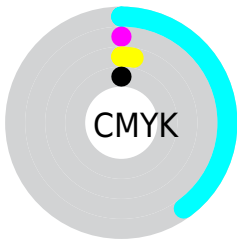
Distribution



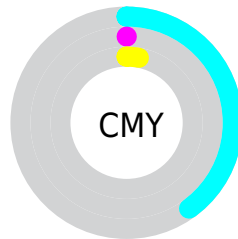
- Red (60%)
- Green (100%)
- Blue (97%)



- Red (60%)
- Yellow (81%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0077, 0.2610, 0.3378 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 85.0077, 0.2610, 0.3378 by changing the saturation by 10% instead.

 85.0077, 0.2610,
0.3378


 85.0077, 0.2610,
0.3378


511.6535, 0.2840,
0.3342

 63.8477, 0.2560,
0.3385


 140.3839, 0.2688,
0.3366

 46.5274, 0.2499,
0.3393


 175.3690, 0.2719,
0.3362

 32.6622, 0.2423,
0.3403


215.7312, 0.2745,
0.3357

 21.8678, 0.2328,
0.3415

261.8550, 0.2769,
0.3354

 13.7598, 0.2202,
0.3428

314.1247, 0.2790,
0.3350

 7.9538, 0.2031,
0.3443

372.9248, 0.2808,

 4.0654, 0.1787,

0.3347

0.3458

438.6396, 0.2825,
0.3345

1.7102, 0.1398,
0.3467

0.4303, 0.0000,
0.3340

85.0077, 0.2610,
0.3378

85.0077, 0.2610,
0.3378

82.6614, 0.2514,
0.3403

87.8791, 0.2722,
0.3354

80.8155, 0.2437,
0.3430

91.3161, 0.2847,
0.3331

79.4289, 0.2379,
0.3456

95.3443, 0.2983,
0.3309

78.4579, 0.2340,
0.3483

99.9903, 0.3127,
0.3290

■ 77.8507, 0.2320,
0.3510

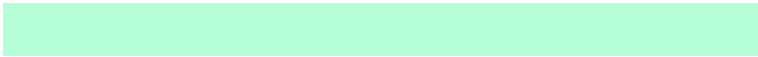
100.0000, 0.3127,
0.3290

■ 77.5226, 0.2316,
0.3536

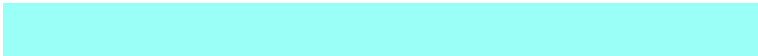
Harmonies

Analogous

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



85.0077, 0.2900, 0.3717



85.0077, 0.2610, 0.3378



85.0077, 0.2459, 0.3035

Triad

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



85.0077, 0.2610, 0.3378



85.0077, 0.2959, 0.2740



85.0077, 0.3820, 0.3752

Complementary

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



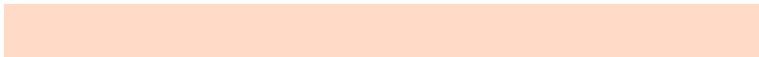
85.0077, 0.2610, 0.3378



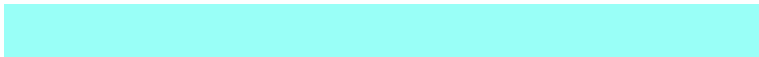
46.5967, 0.4066, 0.3209

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.



85.0077, 0.3845, 0.3476



85.0077, 0.2610, 0.3378



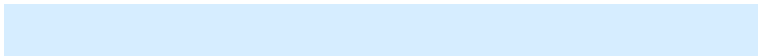
85.0077, 0.3332, 0.2913

Square

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



85.0077, 0.2610, 0.3378



85.0077, 0.2651, 0.2693



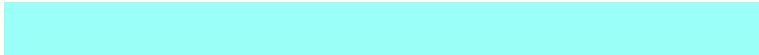
85.0077, 0.3663, 0.3175



85.0077, 0.3601, 0.3926

Rectangle

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



85.0077, 0.2610, 0.3378



85.0077, 0.2450, 0.2858



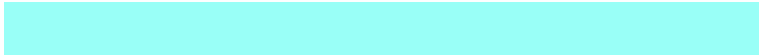
85.0077, 0.3663, 0.3175



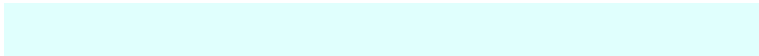
85.0077, 0.3852, 0.3667

Sweetspot

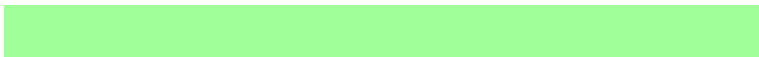
The Sweet Spot groups the original color and five complimentary colors.



85.0045, 0.2610, 0.3378



94.4983, 0.2956, 0.3314



81.4426, 0.3117, 0.4509



20.1099, 0.2938, 0.3316



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

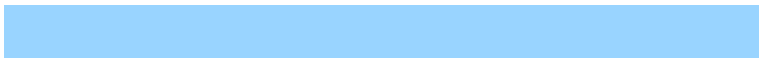
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0045, 0.2610, 0.3378



83.0933, 0.2532, 0.3398



61.3144, 0.2496, 0.2791



20.4555, 0.2991, 0.3308



40.5175, 0.2314, 0.3532



3.9520, 0.2306, 0.3501

Inverse Universe

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



46.5967, 0.4066, 0.3209



39.8836, 0.4363, 0.3195



62.7998, 0.3962, 0.3735



18.0101, 0.3282, 0.3272



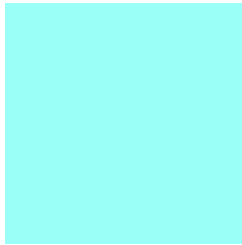
11.1431, 0.6319, 0.3255



1.0925, 0.6143, 0.3158

Previews

White Background



This preview shows how the Yxy color 85.0077, 0.2610, 0.3378 looks on a white background.

Color Contrast Check

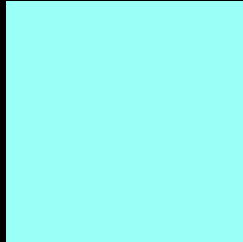
Large Text (above 18pt) WCAG AA × Fail

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 85.0077, 0.2610, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

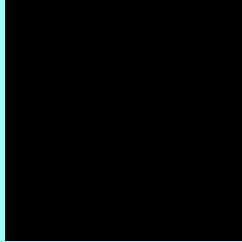
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

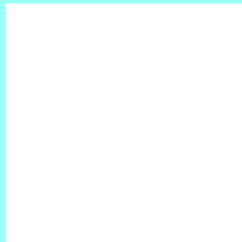
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0077, 0.2610, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 85.0077, 0.2610, 0.3378.

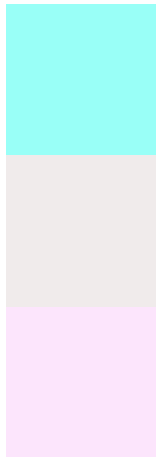


This preview shows how white text looks on a background with the Yxy color 85.0077, 0.2610, 0.3378.

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

85.0077, 0.2610, 0.3378

Protanopia

83.9401, 0.3161, 0.3290

Deuteranopia

83.7623, 0.3138, 0.3066



Tritanopia

84.3389, 0.2803, 0.3173

Trichromacy



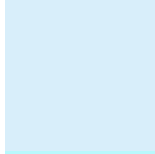
Original Color

85.0077, 0.2610, 0.3378



Protanomaly

83.1462, 0.2930, 0.3321



Deuteranomaly

82.6501, 0.2916, 0.3164



Tritanomaly

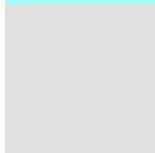
84.3534, 0.2728, 0.3246

Monochromacy



Original Color

85.0077, 0.2610, 0.3378



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.2486, 0.2906, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0077, 0.2610, 0.3378 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(153, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 247)  
}
```

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(153, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 85.0077, 0.2610, 0.3378 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(153, 255, 247) }
```

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

```
.border{ border-color:rgb(153, 255, 247) }
```

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

Here you see how a box with a 4 pixel rgb(153, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0077, 0.2610, 0.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 247) }
```

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

```
.background{ background-color: rgb(153,  
255, 247) }
```

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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