

Converting Colors

$Y_{xy}(100.0000, 0.2632, 0.3754)$

Have a look what the booklet for
Yxy(100.0000, 0.2632, 0.3754)
contains.

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Color

Yxy(83.0963, 0.2586, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	8AFFEE
RGB	138, 255, 238
RGB Percent	54%, 100%, 93%
CMY	0.4593, 0.0000, 0.0666
CMYK	0.46, 0.00, 0.07, 0.00
HSL	171°, 100%, 77%
HSV	171°, 46%, 100%
XYZ	61.6606, 83.0963, 93.6830
YIQ	218.0790, -64.2750, -30.0910

Conversions

Conversions Part 2

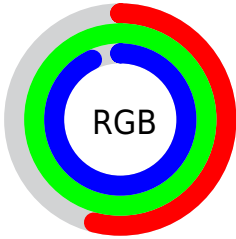
Format	Color
R_{YB}	138, 201, 255
Decimal	9109486
CIE _{Lab}	93.06, -37.23, -2.19
CIE _{LCh}	93, 37.297, 183.373
Yxy	83.0963, 0.2586, 0.3485
Android (android.graphics.Color)	4287299566 (0xFF8AFFEE)
YUV	218.0790, 9.8211, -70.2293
Hunter-Lab	91.1572, -38.7840, 2.8772

Details

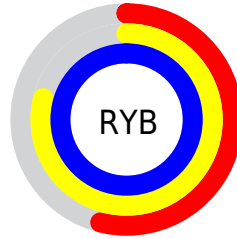
The Yxy color **83.0963, 0.2586, 0.3485** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **41.7681, 0.4194, 0.3116**, and the grayscale version is **70.1087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **45.3433, 0.2469, 0.3532** is the 20% darker color. If you saturate the color by 10%, you get **80.9486, 0.2506, 0.3535**, and if you desaturate by 10%, it is **85.7411, 0.2683, 0.3437**.

Distribution



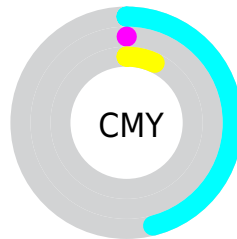
- Red (54%)
- Green (100%)
- Blue (93%)



- Red (54%)
- Yellow (79%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0963, 0.2586, 0.3485 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 83.0963, 0.2586, 0.3485 by changing the saturation by 10% instead.

 83.0963, 0.2586,
0.3485

 83.0963, 0.2586,
0.3485


505.3074, 0.2828,
0.3399

 62.2696, 0.2533,
0.3504

 137.7103, 0.2668,
0.3456

 45.2506, 0.2468,
0.3526


 172.2664, 0.2701,
0.3445

 31.6548, 0.2387,
0.3554


212.1678, 0.2729,
0.3435

 21.0980, 0.2284,
0.3588

257.7988, 0.2754,
0.3426

 13.1957, 0.2149,
0.3633

309.5439, 0.2776,
0.3418

 7.5634, 0.1964,
0.3694

367.7875, 0.2795,


 3.8169, 0.1696,

0.3411


0.3777


432.9138, 0.2813,
0.3405


 1.5717, 0.1167,
0.3946


 0.3384, 0.0000,
0.3933


 83.0963, 0.2586,
0.3485


 83.0963, 0.2586,
0.3485


 80.9486, 0.2506,
0.3535


 85.7411, 0.2683,
0.3437


 79.2884, 0.2444,
0.3586

 88.9423, 0.2794,
0.3392

 78.0655, 0.2403,
0.3638

 92.7212, 0.2916,
0.3350

 77.2321, 0.2381,
0.3690

 97.1057, 0.3047,
0.3311

■ 76.7284, 0.2377,
0.3741

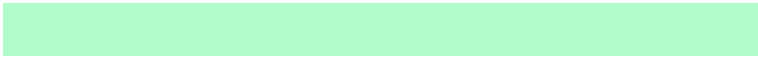
100.0000, 0.3127,
0.3290

■ 76.5820, 0.2378,
0.3762

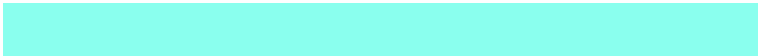
Harmonies

Analogous

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



83.0963, 0.2948, 0.3867



83.0963, 0.2586, 0.3485



83.0963, 0.2374, 0.3068

Triad

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



83.0963, 0.2586, 0.3485



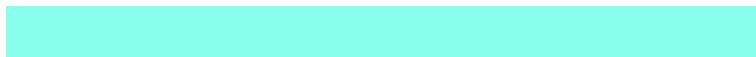
83.0963, 0.2840, 0.2628



83.0963, 0.3965, 0.3757

Complementary

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



83.0963, 0.2586, 0.3485



41.7681, 0.4194, 0.3116

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.



83.0963, 0.3943, 0.3422



83.0963, 0.2586, 0.3485



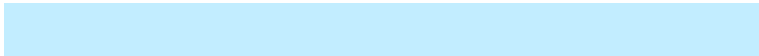
83.0963, 0.3267, 0.2799

Square

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



83.0963, 0.2586, 0.3485



83.0963, 0.2513, 0.2607



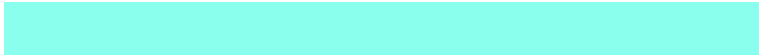
83.0963, 0.3681, 0.3081



83.0963, 0.3751, 0.4002

Rectangle

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



83.0963, 0.2586, 0.3485



83.0963, 0.2336, 0.2843



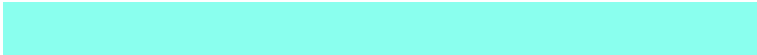
83.0963, 0.3681, 0.3081



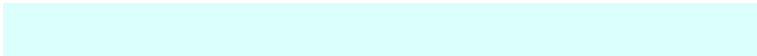
83.0963, 0.3986, 0.3651

Sweetspot

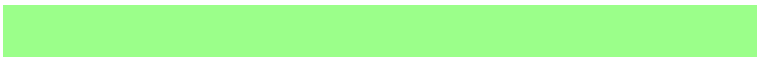
The Sweet Spot groups the original color and five complimentary colors.



83.0874, 0.2586, 0.3485



93.5175, 0.2941, 0.3342



80.3656, 0.3155, 0.4700



19.8259, 0.2913, 0.3351



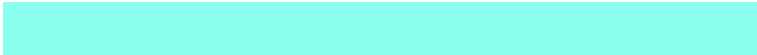
0.0000, 0.0000, 0.0000



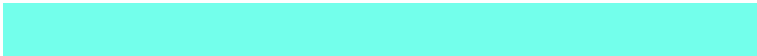
21.4041, 0.3127, 0.3290

Same Dimension

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



83.0874, 0.2586, 0.3485



81.1259, 0.2513, 0.3530



60.7129, 0.2424, 0.2800



20.4335, 0.2999, 0.3325



40.0331, 0.2376, 0.3754



3.9097, 0.2360, 0.3695

Inverse Universe

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



41.7681, 0.4194, 0.3116



35.2166, 0.4538, 0.3090



55.2834, 0.4166, 0.3720



18.0300, 0.3271, 0.3256



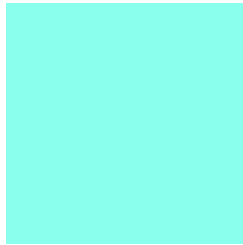
11.1915, 0.6208, 0.3194



1.1019, 0.5943, 0.3047

Previews

White Background



This preview shows how the Yxy color 83.0963, 0.2586, 0.3485 looks on a white background.

Color Contrast Check

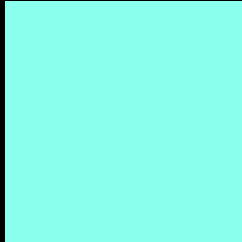
Large Text (above 18pt) WCAG AA × Fail

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 83.0963, 0.2586, 0.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

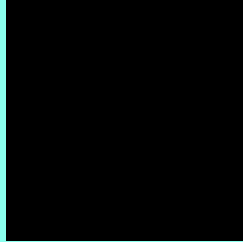
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

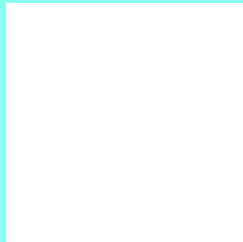
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0963, 0.2586, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 83.0963, 0.2586, 0.3485.

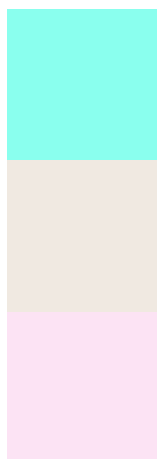


This preview shows how white text looks on a background with the Yxy color 83.0963, 0.2586, 0.3485.

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

83.0963, 0.2586, 0.3485

Protanopia

82.2393, 0.3226, 0.3372

Deuteranopia

82.1653, 0.3190, 0.3123



Tritanopia

82.3976, 0.2746, 0.3160

Trichromacy



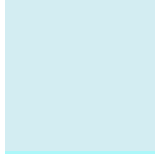
Original Color

83.0963, 0.2586, 0.3485



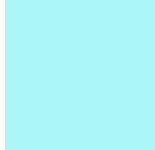
Protanomaly

81.3203, 0.2950, 0.3409



Deuteranomaly

80.8281, 0.2930, 0.3236



Tritanomaly

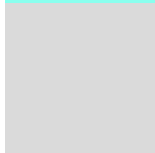
82.1317, 0.2680, 0.3267

Monochromacy



Original Color

83.0963, 0.2586, 0.3485



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.4069, 0.2889, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0963, 0.2586, 0.3485 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(138, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(138, 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(138, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 83.0963, 0.2586, 0.3485 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(138, 255, 238) }
```

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

```
.border{ border-color:rgb(138, 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(138, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0963, 0.2586, 0.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 238) }
```

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

```
.background{ background-color: rgb(138,  
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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