

Converting Colors

$Y_{xy}(100.0000, 0.2669, 0.3834)$

Have a look what the booklet for
Yxy(100.0000, 0.2669, 0.3834)
contains.

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Color

Yxy(82.8650, 0.2626, 0.3568)

Conversions

Conversions Part 1

Format	Color
Hex	8CFFE7
RGB	140, 255, 231
RGB Percent	55%, 100%, 91%
CMY	0.4514, 0.0000, 0.0941
CMYK	0.45, 0.00, 0.09, 0.00
HSL	167°, 100%, 77%
HSV	167°, 45%, 100%
XYZ	60.9875, 82.8650, 88.3924
YIQ	217.8790, -60.8360, -31.8440

Conversions

Conversions Part 2

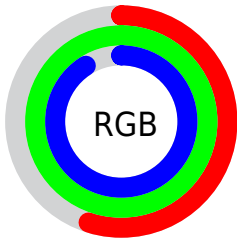
Format	Color
RYB	140, 204, 255
Decimal	9240551
CIELab	92.96, -38.38, 1.28
CIElCh	93, 38.398, 178.088
Yxy	82.8650, 0.2626, 0.3568
Android (android.graphics.Color)	4287430631 (0xFF8CFFE7)
YUV	217.8790, 6.4687, -68.2999
Hunter-Lab	91.0302, -39.7132, 6.1492

Details

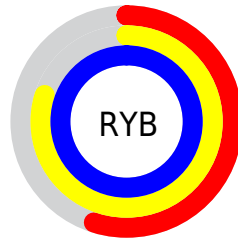
The Yxy color **82.8650, 0.2626, 0.3568** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **42.6626, 0.4085, 0.3042**, and the grayscale version is **69.9880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **45.2282, 0.2513, 0.3626** is the 20% darker color. If you saturate the color by 10%, you get **80.5989, 0.2550, 0.3641**, and if you desaturate by 10%, it is **85.6375, 0.2718, 0.3498**.

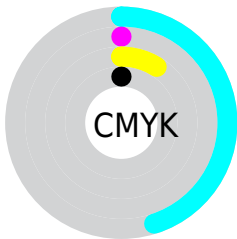
Distribution



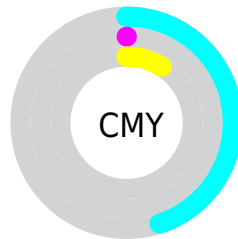
- Red (55%)
- Green (100%)
- Blue (91%)



- Red (55%)
- Yellow (80%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8650, 0.2626, 0.3568 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 82.8650, 0.2626, 0.3568 by changing the saturation by 10% instead.

 82.8650, 0.2626,
0.3568

 82.8650, 0.2626,
0.3568


504.5365, 0.2852,
0.3442

 62.0788, 0.2576,
0.3596


 137.3864, 0.2703,
0.3525

 45.0964, 0.2515,
0.3630


 171.8903, 0.2733,
0.3508

 31.5333, 0.2439,
0.3673


211.7356, 0.2760,
0.3493

 21.0053, 0.2341,
0.3729

257.3067, 0.2783,
0.3480

 13.1279, 0.2212,
0.3803

308.9879, 0.2803,
0.3469

 7.5167, 0.2033,
0.3906


367.1637, 0.2821,


 3.7873, 0.1771,

0.3459

0.4058

432.2184, 0.2837,
0.3450


 1.5553, 0.1202,
0.4384


 0.3272, 0.0000,
0.5509

 82.8650, 0.2626,
0.3568

 82.8650, 0.2626,
0.3568


 80.5989, 0.2550,
0.3641


 85.6375, 0.2718,
0.3498

 78.8268, 0.2492,
0.3717

 88.9726, 0.2824,
0.3433

 77.5002, 0.2453,
0.3794

 92.8924, 0.2939,
0.3372

 76.5715, 0.2435,
0.3871

 97.4247, 0.3062,
0.3316

■ 75.9823, 0.2435,
0.3948

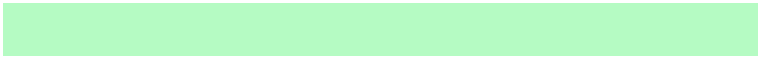
100.0000, 0.3127,
0.3290

■ 75.7779, 0.2440,
0.3985

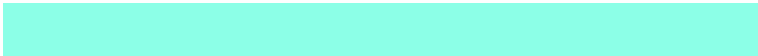
Harmonies

Analogous

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



82.8650, 0.3017, 0.3939



82.8650, 0.2626, 0.3568



82.8650, 0.2377, 0.3131

Triad

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



82.8650, 0.2626, 0.3568



82.8650, 0.2761, 0.2594



82.8650, 0.4006, 0.3712

Complementary

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



82.8650, 0.2626, 0.3568



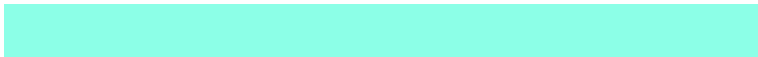
42.6626, 0.4085, 0.3042

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.



82.8650, 0.3937, 0.3361



82.8650, 0.2626, 0.3568



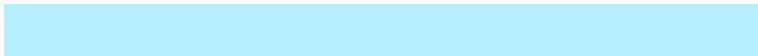
82.8650, 0.3190, 0.2744

Square

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



82.8650, 0.2626, 0.3568



82.8650, 0.2452, 0.2601



82.8650, 0.3630, 0.3017



82.8650, 0.3823, 0.3989

Rectangle

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



82.8650, 0.2626, 0.3568



82.8650, 0.2316, 0.2883



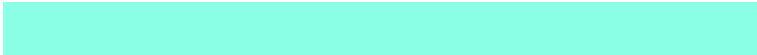
82.8650, 0.3630, 0.3017



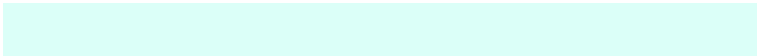
82.8650, 0.4012, 0.3599

Sweetspot

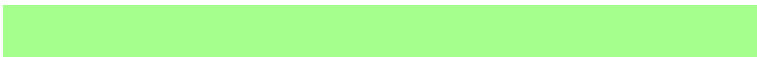
The Sweet Spot groups the original color and five complimentary colors.



82.8571, 0.2626, 0.3568



93.3768, 0.2953, 0.3365



81.3923, 0.3200, 0.4654



19.7913, 0.2927, 0.3378



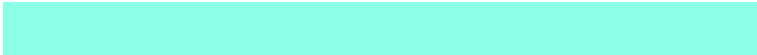
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.8571, 0.2626, 0.3568



80.8306, 0.2557, 0.3633



65.2355, 0.2452, 0.2904



20.4128, 0.3008, 0.3340



39.6181, 0.2437, 0.3972



3.8730, 0.2413, 0.3885

Inverse Universe

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



42.6626, 0.4085, 0.3042



36.1277, 0.4390, 0.3002



52.8503, 0.4182, 0.3634



18.0490, 0.3261, 0.3241



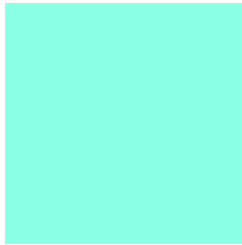
11.2610, 0.6057, 0.3111



1.1114, 0.5756, 0.2945

Previews

White Background



This preview shows how the Yxy color 82.8650, 0.2626, 0.3568 looks on a white background.

Color Contrast Check

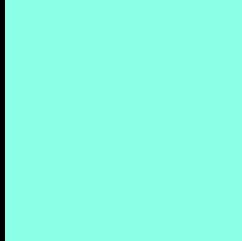
Large Text (above 18pt) WCAG AA × Fail

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 82.8650, 0.2626, 0.3568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

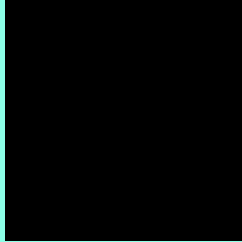
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.8650, 0.2626, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 82.8650, 0.2626, 0.3568.

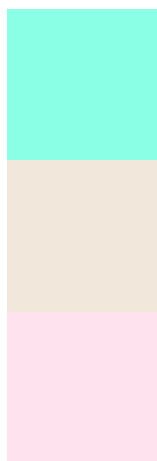


This preview shows how white text looks on a background with the Yxy color 82.8650, 0.2626, 0.3568.

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

82.8650, 0.2626, 0.3568

Protanopia

81.5285, 0.3273, 0.3424

Deuteranopia

81.5780, 0.3251, 0.3182



Tritanopia

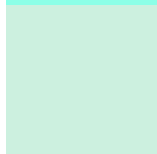
82.3976, 0.2746, 0.3160

Trichromacy



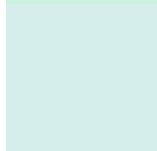
Original Color

82.8650, 0.2626, 0.3568



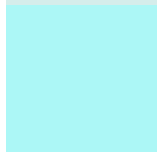
Protanomaly

80.4853, 0.2996, 0.3476



Deuteranomaly

80.7127, 0.2983, 0.3311



Tritanomaly

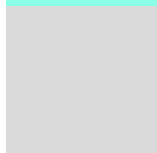
81.9460, 0.2694, 0.3300

Monochromacy



Original Color

82.8650, 0.2626, 0.3568



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.4267, 0.2906, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8650, 0.2626, 0.3568 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(140, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 231)  
}
```

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(140, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 82.8650, 0.2626, 0.3568 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(140, 255, 231) }
```

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

```
.border{ border-color:rgb(140, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8650, 0.2626, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 231) }
```

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

```
.background{ background-color: rgb(140,  
255, 231) }
```

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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