

Converting Colors

$Yxy(82.5183, 0.2558, 0.3486)$

Have a look what the booklet for
Yxy(82.5183, 0.2558, 0.3486)
contains.

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Color

Yxy(82.5183, 0.2558, 0.3486)

Conversions

Conversions Part 1

Format	Color
Hex	83FFEE
RGB	131, 255, 238
RGB Percent	51%, 100%, 93%
CMY	0.4864, 0.0000, 0.0666
CMYK	0.49, 0.00, 0.07, 0.00
HSL	172°, 100%, 76%
HSV	172°, 49%, 100%
XYZ	60.5513, 82.5183, 93.6438
YIQ	215.9860, -68.4470, -31.5750

Conversions

Conversions Part 2

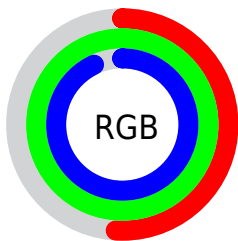
Format	Color
RYB	131, 198, 255
Decimal	8650734
CIELab	92.80, -38.75, -2.61
CIELCh	93, 38.839, 183.846
Yxy	82.5183, 0.2558, 0.3486
Android (android.graphics.Color)	4286840814 (0xFF83FFEE)
YUV	215.9860, 10.8529, -74.5327
Hunter-Lab	90.8396, -39.9858, 2.4674

Details

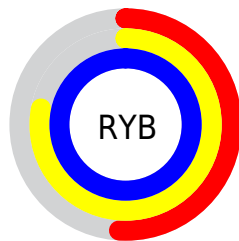
The Yxy color **82.5183, 0.2558, 0.3486** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **39.6203, 0.4304, 0.3118**, and the grayscale version is **68.6136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **44.9945, 0.2436, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **80.5231, 0.2482, 0.3533**, and if you desaturate by 10%, it is **85.0164, 0.2651, 0.3440**.

Distribution



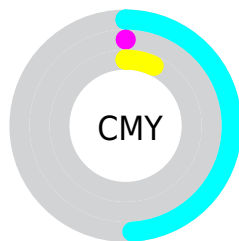
- Red (51%)
- Green (100%)
- Blue (93%)



- Red (51%)
- Yellow (78%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5183, 0.2558, 0.3486 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 82.5183, 0.2558, 0.3486 by changing the saturation by 10% instead.


 82.5183, 0.2558,
0.3486

 82.5183, 0.2558,
0.3486


503.3797, 0.2813,
0.3400

 61.7928, 0.2502,
0.3505

 136.9006, 0.2645,
0.3457

 44.8653, 0.2434,
0.3527


 171.3262, 0.2679,
0.3446

 31.3514, 0.2349,
0.3554


 211.0874, 0.2709,
0.3436

 20.8666, 0.2241,
0.3589

256.5685, 0.2735,
0.3427

 13.0265, 0.2099,
0.3633

308.1538, 0.2758,
0.3419

 7.4468, 0.1905,
0.3691

366.2279, 0.2778,

 3.7431, 0.1625,

0.3412

0.3771

431.1751, 0.2796,
0.3406

■ 1.5309, 0.1035,
0.3950

■ 0.3103, 0.0000,
0.3737

■ 82.5183, 0.2558,
0.3486

■ 82.5183, 0.2558,
0.3486

■ 80.5231, 0.2482,
0.3533

■ 85.0164, 0.2651,
0.3440

■ 78.9962, 0.2426,
0.3582

■ 88.0541, 0.2760,
0.3397

■ 77.8941, 0.2389,
0.3631

■ 91.6610, 0.2880,
0.3357

■ 77.1662, 0.2371,
0.3679

■ 95.8656, 0.3010,
0.3320

■ 76.7403, 0.2370,
0.3727

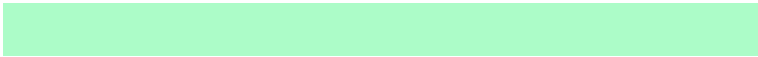
100.0000, 0.3127,
0.3290

■ 76.6928, 0.2371,
0.3734

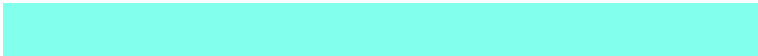
Harmonies

Analogous

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



82.5183, 0.2932, 0.3890



82.5183, 0.2558, 0.3486



82.5183, 0.2341, 0.3051

Triad

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



82.5183, 0.2558, 0.3486



82.5183, 0.2833, 0.2604



82.5183, 0.4000, 0.3779

Complementary

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



82.5183, 0.2558, 0.3486



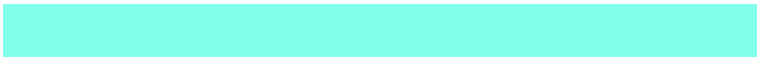
39.6203, 0.4304, 0.3118

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.



82.5183, 0.3982, 0.3431



82.5183, 0.2558, 0.3486



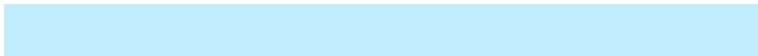
82.5183, 0.3280, 0.2783

Square

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



82.5183, 0.2558, 0.3486



82.5183, 0.2491, 0.2578



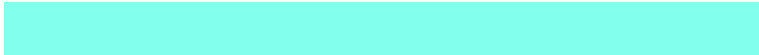
82.5183, 0.3711, 0.3077



82.5183, 0.3771, 0.4035

Rectangle

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



82.5183, 0.2558, 0.3486



82.5183, 0.2304, 0.2818



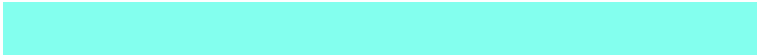
82.5183, 0.3711, 0.3077



82.5183, 0.4024, 0.3669

Sweetspot

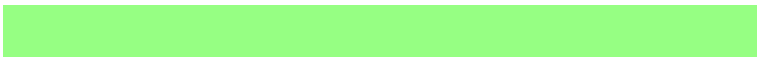
The Sweet Spot groups the original color and five complimentary colors.



82.5173, 0.2558, 0.3486



93.1209, 0.2926, 0.3343



79.6014, 0.3153, 0.4795



19.7486, 0.2899, 0.3351



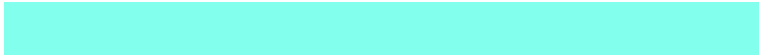
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.5173, 0.2558, 0.3486



80.6363, 0.2486, 0.3530



58.9244, 0.2386, 0.2765



20.4362, 0.2998, 0.3323



40.0902, 0.2368, 0.3726



3.9147, 0.2353, 0.3671

Inverse Universe

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



39.6203, 0.4304, 0.3118



33.3374, 0.4677, 0.3096



53.3167, 0.4251, 0.3744



18.0275, 0.3273, 0.3258



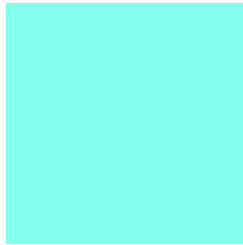
11.1842, 0.6225, 0.3203



1.1007, 0.5967, 0.3061

Previews

White Background



This preview shows how the Yxy color 82.5183, 0.2558, 0.3486 looks on a white background.

Color Contrast Check

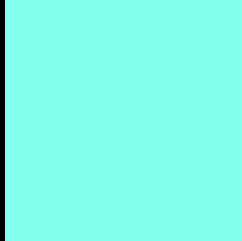
Large Text (above 18pt) WCAG AA × Fail

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 82.5183, 0.2558, 0.3486 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 82.5183, 0.2558, 0.3486

Background



This preview shows how black text looks on a background with the Yxy color 82.5183, 0.2558, 0.3486.

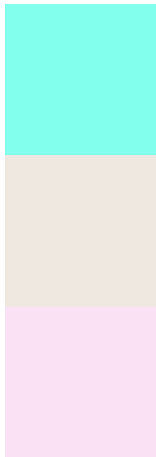


This preview shows how white text looks on a background with the Yxy color 82.5183, 0.2558, 0.3486.

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

82.5183, 0.2558, 0.3486

Protanopia

81.5002, 0.3220, 0.3362

Deuteranopia

81.2484, 0.3177, 0.3112



Tritanopia

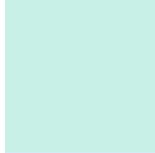
82.0126, 0.2729, 0.3160

Trichromacy



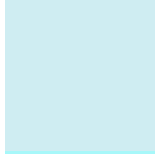
Original Color

82.5183, 0.2558, 0.3486



Protanomaly

80.3127, 0.2931, 0.3399



Deuteranomaly

80.2446, 0.2905, 0.3236



Tritanomaly

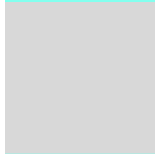
81.5766, 0.2655, 0.3266

Monochromacy



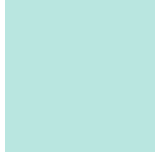
Original Color

82.5183, 0.2558, 0.3486



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.2897, 0.2869, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5183, 0.2558, 0.3486 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(131, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 82.5183, 0.2558, 0.3486 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(131, 255, 238) }
```

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

```
.border{ border-color:rgb(131, 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(131, 255, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5183, 0.2558, 0.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 238) }
```

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

```
.background{ background-color: rgb(131,  
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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