

Converting Colors

$Yxy(85.4341, 0.2573, 0.3608)$

Have a look what the booklet for
Yxy(85.4341, 0.2573, 0.3608)
contains.

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Color

Yxy(81.8388, 0.2561, 0.3548)

Conversions

Conversions Part 1

Format	Color
Hex	7EFFE9
RGB	126, 255, 233
RGB Percent	49%, 100%, 91%
CMY	0.5057, 0.0000, 0.0864
CMYK	0.51, 0.00, 0.09, 0.00
HSL	170°, 100%, 75%
HSV	170°, 51%, 100%
XYZ	59.0725, 81.8388, 89.7505
YIQ	213.9210, -69.8220, -34.1900

Conversions

Conversions Part 2

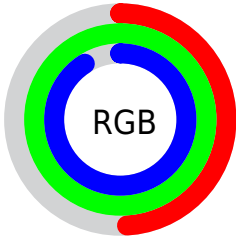
Format	Color
RYB	126, 197, 255
Decimal	8323049
CIELab	92.50, -40.99, -0.45
CIELCh	93, 40.994, 180.626
Yxy	81.8388, 0.2561, 0.3548
Android (android.graphics.Color)	4286513129 (0xFF7EFFE9)
YUV	213.9210, 9.4059, -77.1067
Hunter-Lab	90.4648, -41.7549, 4.5035

Details

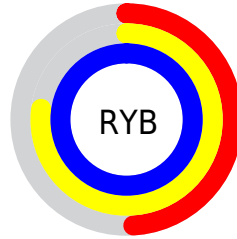
The Yxy color **81.8388, 0.2561, 0.3548** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **38.3323, 0.4325, 0.3067**, and the grayscale version is **67.1657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **44.5546, 0.2439, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **79.8959, 0.2491, 0.3608**, and if you desaturate by 10%, it is **84.2847, 0.2648, 0.3490**.

Distribution



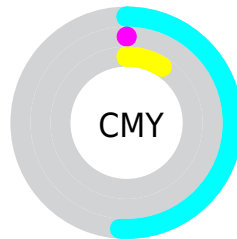
- Red (49%)
- Green (100%)
- Blue (91%)



- Red (49%)
- Yellow (77%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8388, 0.2561, 0.3548 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 81.8388, 0.2561, 0.3548 by changing the saturation by 10% instead.


 81.8388, 0.2561,
0.3548


 81.8388, 0.2561,
0.3548


501.1083, 0.2816,
0.3432


 61.2327, 0.2505,
0.3574


 135.9479, 0.2648,
0.3509

 44.4130, 0.2436,
0.3605


 170.2197, 0.2682,
0.3493

 30.9953, 0.2351,
0.3643


 209.8155, 0.2712,
0.3480

 20.5953, 0.2241,
0.3692

255.1197, 0.2738,
0.3468

 12.8285, 0.2097,
0.3757

306.5167, 0.2761,
0.3457

 7.3105, 0.1899,
0.3846

364.3908, 0.2781,

 3.6571, 0.1612,

0.3448

429.1266, 0.2799,
0.3440

0.3973

1.4836, 0.0911,
0.4290

0.2772, 0.0000,
0.4542

81.8388, 0.2561,
0.3548

81.8388, 0.2561,
0.3548

79.8959, 0.2491,
0.3608

84.2847, 0.2648,
0.3490

78.4134, 0.2441,
0.3670

87.2636, 0.2751,
0.3435

77.3486, 0.2411,
0.3732

90.8083, 0.2865,
0.3383

76.6491, 0.2399,
0.3794

94.9475, 0.2989,
0.3336

■ 76.2453, 0.2403,
0.3852

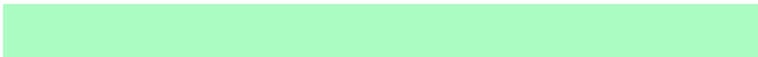
99.7081, 0.3120,
0.3292

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



81.8388, 0.2968, 0.3964



81.8388, 0.2561, 0.3548



81.8388, 0.2314, 0.3080

Triad

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



81.8388, 0.2561, 0.3548



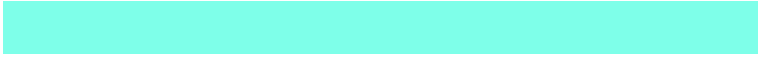
81.8388, 0.2770, 0.2556



81.8388, 0.4062, 0.3766

Complementary

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



81.8388, 0.2561, 0.3548



38.3323, 0.4325, 0.3067

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.



81.8388, 0.4013, 0.3395



81.8388, 0.2561, 0.3548



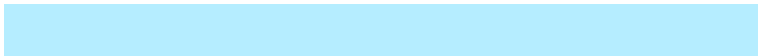
81.8388, 0.3235, 0.2729

Square

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



81.8388, 0.2561, 0.3548



81.8388, 0.2428, 0.2547



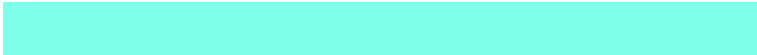
81.8388, 0.3701, 0.3027



81.8388, 0.3843, 0.4055

Rectangle

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



81.8388, 0.2561, 0.3548



81.8388, 0.2260, 0.2823



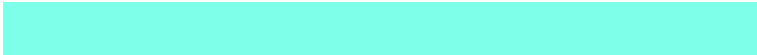
81.8388, 0.3701, 0.3027



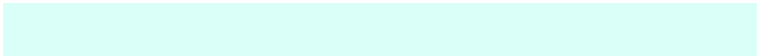
81.8388, 0.4077, 0.3647

Sweetspot

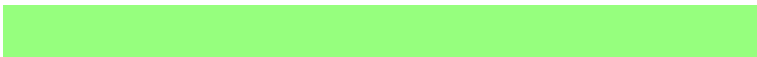
The Sweet Spot groups the original color and five complimentary colors.



81.8402, 0.2561, 0.3548



93.0397, 0.2933, 0.3356



79.4814, 0.3176, 0.4850



19.7289, 0.2907, 0.3366



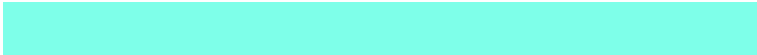
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.8402, 0.2561, 0.3548



79.8233, 0.2489, 0.3611



59.8342, 0.2371, 0.2795



20.4250, 0.3003, 0.3331



39.8594, 0.2401, 0.3842



3.8944, 0.2381, 0.3771

Inverse Universe

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



38.3323, 0.4325, 0.3067



31.7761, 0.4735, 0.3039



50.3600, 0.4339, 0.3716



18.0377, 0.3267, 0.3250



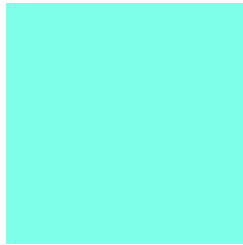
11.2168, 0.6152, 0.3163



1.1055, 0.5870, 0.3007

Previews

White Background



This preview shows how the Yxy color 81.8388, 0.2561, 0.3548 looks on a white background.

Color Contrast Check

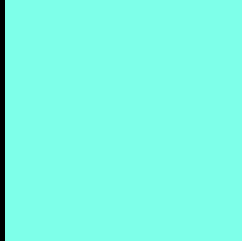
Large Text (above 18pt) WCAG AA × Fail

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 81.8388, 0.2561, 0.3548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

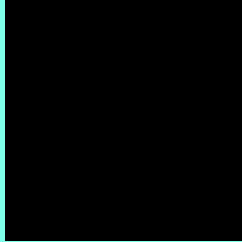
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.8388, 0.2561, 0.3548

Background



This preview shows how black text looks on a background with the Yxy color 81.8388, 0.2561, 0.3548.

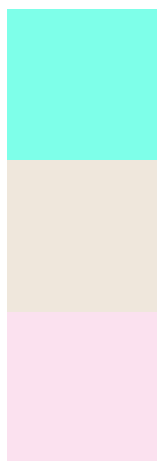


This preview shows how white text looks on a background with the Yxy color 81.8388, 0.2561, 0.3548.

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

81.8388, 0.2561, 0.3548

Protanopia

80.6699, 0.3253, 0.3404

Deuteranopia

80.5917, 0.3217, 0.3151



Tritanopia

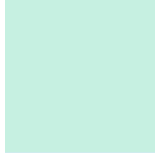
81.5115, 0.2708, 0.3159

Trichromacy



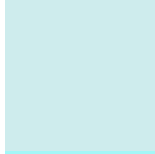
Original Color

81.8388, 0.2561, 0.3548



Protanomaly

79.7622, 0.2947, 0.3455



Deuteranomaly

79.2271, 0.2927, 0.3279



Tritanomaly

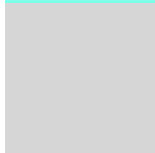
81.0235, 0.2644, 0.3289

Monochromacy



Original Color

81.8388, 0.2561, 0.3548



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.2042, 0.2867, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8388, 0.2561, 0.3548 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(126, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(126, 255, 233)  
}
```

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(126, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 81.8388, 0.2561, 0.3548 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(126, 255, 233) }
```

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

```
.border{ border-color:rgb(126, 255, 233) }
```

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

Here you see how a box with a 4 pixel rgb(126, 255, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(126, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8388, 0.2561, 0.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 255, 233) }
```

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

```
.background{ background-color: rgb(126,  
255, 233) }
```

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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