

Converting Colors

$Y_{xy}(102.8977, 0.2647, 0.3863)$

Have a look what the booklet for
Yxy(102.8977, 0.2647, 0.3863)
contains.

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Color

Yxy(82.4715, 0.2592, 0.3546)

Conversions

Conversions Part 1

Format	Color
Hex	86FFE9
RGB	134, 255, 233
RGB Percent	53%, 100%, 91%
CMY	0.4750, 0.0000, 0.0863
CMYK	0.47, 0.00, 0.09, 0.00
HSL	169°, 100%, 76%
HSV	169°, 47%, 100%
XYZ	60.2837, 82.4715, 89.8209
YIQ	216.3130, -65.0540, -32.4940

Conversions

Conversions Part 2

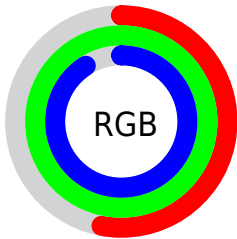
Format	Color
RYB	134, 201, 255
Decimal	8847337
CIELab	92.78, -39.30, -0.02
CIElCh	93, 39.297, 180.024
Yxy	82.4715, 0.2592, 0.3546
Android (android.graphics.Color)	4287037417 (0xFF86FFE9)
YUV	216.3130, 8.2267, -72.1885
Hunter-Lab	90.8138, -40.4329, 4.9279

Details

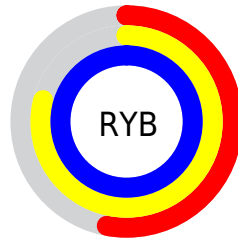
The Yxy color **82.4715, 0.2592, 0.3546** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **40.6755, 0.4199, 0.3064**, and the grayscale version is **68.8437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **44.9402, 0.2476, 0.3613** is the 20% darker color. If you saturate the color by 10%, you get **80.3534, 0.2518, 0.3610**, and if you desaturate by 10%, it is **85.0812, 0.2683, 0.3485**.

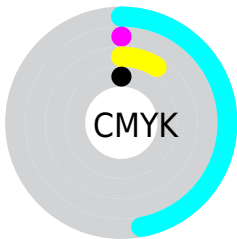
Distribution



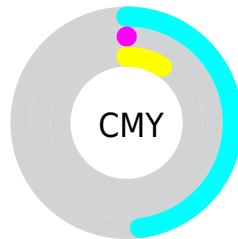
- Red (53%)
- Green (100%)
- Blue (91%)



- Red (53%)
- Yellow (79%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4715, 0.2592, 0.3546 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 82.4715, 0.2592, 0.3546 by changing the saturation by 10% instead.


 82.4715, 0.2592,
0.3546


 82.4715, 0.2592,
0.3546


503.2235, 0.2833,
0.3431

 61.7543, 0.2539,
0.3571

 136.8350, 0.2674,
0.3507

 44.8342, 0.2474,
0.3602


 171.2501, 0.2706,
0.3491

 31.3268, 0.2393,
0.3641

210.9998, 0.2734,
0.3478

 20.8478, 0.2290,
0.3690


256.4688, 0.2759,
0.3466

 13.0128, 0.2153,
0.3756

308.0412, 0.2781,
0.3456

 7.4374, 0.1965,
0.3846

366.1015, 0.2800,

 3.7371, 0.1691,

0.3447

0.3976

431.0341, 0.2817,
0.3438

■ 1.5276, 0.1078,
0.4269

■ 0.3080, 0.0000,
0.4779

■ 82.4715, 0.2592,
0.3546

■ 82.4715, 0.2592,
0.3546

■ 80.3534, 0.2518,
0.3610

■ 85.0812, 0.2683,
0.3485

■ 78.7203, 0.2462,
0.3675

■ 88.2463, 0.2788,
0.3427

■ 77.5201, 0.2426,
0.3742

■ 91.9870, 0.2905,
0.3373

■ 76.7032, 0.2410,
0.3808

■ 96.3315, 0.3030,
0.3324

■ 76.2050, 0.2412,
0.3874

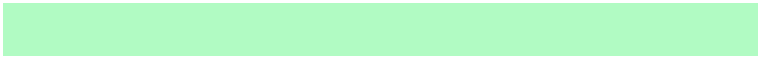
100.0000, 0.3127,
0.3290

■ 76.1063, 0.2414,
0.3890

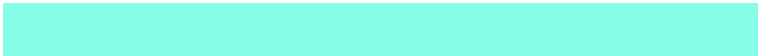
Harmonies

Analogous

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



82.4715, 0.2985, 0.3938



82.4715, 0.2592, 0.3546



82.4715, 0.2350, 0.3099

Triad

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



82.4715, 0.2592, 0.3546



82.4715, 0.2778, 0.2584



82.4715, 0.4023, 0.3743

Complementary

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



82.4715, 0.2592, 0.3546



40.6755, 0.4199, 0.3064

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.



82.4715, 0.3970, 0.3385



82.4715, 0.2592, 0.3546



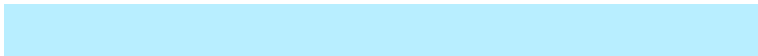
82.4715, 0.3222, 0.2747

Square

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



82.4715, 0.2592, 0.3546



82.4715, 0.2452, 0.2579



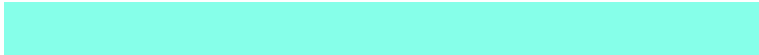
82.4715, 0.3668, 0.3032



82.4715, 0.3820, 0.4019

Rectangle

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



82.4715, 0.2592, 0.3546



82.4715, 0.2296, 0.2851



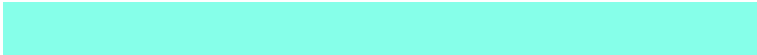
82.4715, 0.3668, 0.3032



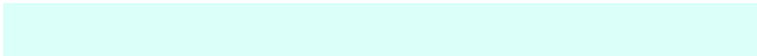
82.4715, 0.4036, 0.3628

Sweetspot

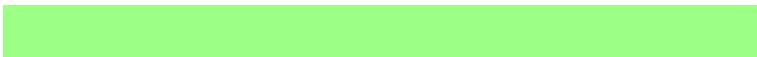
The Sweet Spot groups the original color and five complimentary colors.



82.4614, 0.2592, 0.3546



93.4357, 0.2948, 0.3356



80.3149, 0.3177, 0.4745



19.8058, 0.2921, 0.3366



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

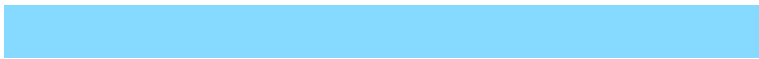
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4614, 0.2592, 0.3546



80.4464, 0.2521, 0.3606



61.7229, 0.2412, 0.2831



20.4215, 0.3004, 0.3334



39.7877, 0.2411, 0.3879



3.8881, 0.2390, 0.3804

Inverse Universe

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



40.6755, 0.4199, 0.3064



34.1160, 0.4552, 0.3031



52.5740, 0.4237, 0.3692



18.0410, 0.3266, 0.3247



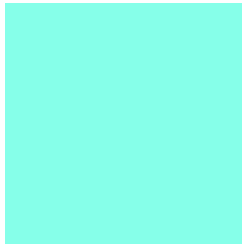
11.2287, 0.6126, 0.3148



1.1072, 0.5837, 0.2989

Previews

White Background



This preview shows how the Yxy color 82.4715, 0.2592, 0.3546 looks on a white background.

Color Contrast Check

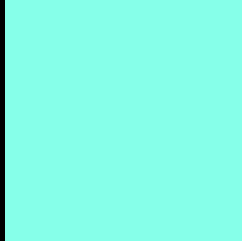
Large Text (above 18pt) WCAG AA × Fail

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 82.4715, 0.2592, 0.3546 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

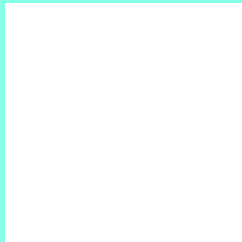
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.4715, 0.2592, 0.3546

Background



This preview shows how black text looks on a background with the Yxy color 82.4715, 0.2592, 0.3546.

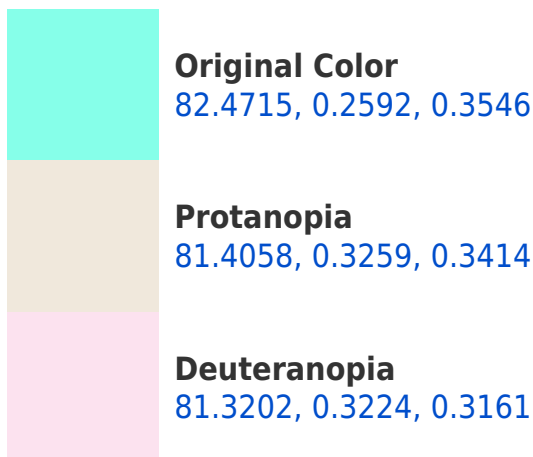


This preview shows how white text looks on a background with the Yxy color 82.4715, 0.2592, 0.3546.

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





Tritanopia

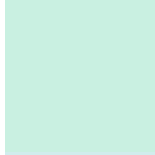
82.0126, 0.2729, 0.3160

Trichromacy



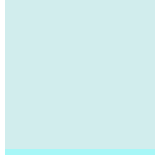
Original Color

82.4715, 0.2592, 0.3546



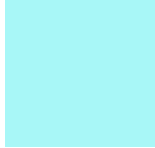
Protanomaly

80.1739, 0.2966, 0.3454



Deuteranomaly

80.2381, 0.2946, 0.3289



Tritanomaly

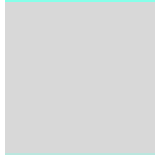
81.5618, 0.2669, 0.3289

Monochromacy



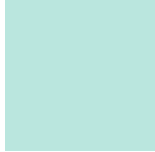
Original Color

82.4715, 0.2592, 0.3546



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.3067, 0.2887, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4715, 0.2592, 0.3546 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(134, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(134, 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(134, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 82.4715, 0.2592, 0.3546 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(134, 255, 233) }
```

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

```
.border{ border-color:rgb(134, 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(134, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(134, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4715, 0.2592, 0.3546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 255, 233) }
```

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

```
.background{ background-color: rgb(134,  
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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