

Converting Colors

$Yxy(92.9340, 0.2542, 0.3492)$

Have a look what the booklet for
Yxy(92.9340, 0.2542, 0.3492)
contains.

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Color

Yxy(83.5534, 0.2514, 0.3334)

Conversions

Conversions Part 1

Format	Color
Hex	86FFFB
RGB	134, 255, 251
RGB Percent	53%, 100%, 98%
CMY	0.4744, 0.0000, 0.0158
CMYK	0.47, 0.00, 0.02, 0.00
HSL	178°, 100%, 76%
HSV	178°, 47%, 100%
XYZ	63.0034, 83.5534, 104.0533
YIQ	218.3650, -70.8320, -26.8960

Conversions

Conversions Part 2

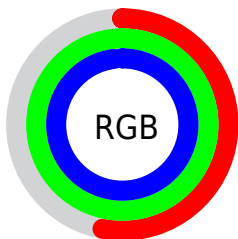
Format	Color
RYB	134, 196, 255
Decimal	8847355
CIELab	93.26, -34.97, -8.63
CIElCh	93, 36.021, 193.854
Yxy	83.5534, 0.2514, 0.3334
Android (android.graphics.Color)	4287037435 (0xFF86FFFB)
YUV	218.3650, 16.0891, -73.9881
Hunter-Lab	91.4075, -36.9307, -3.5072

Details

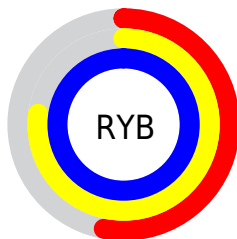
The Yxy color **83.5534, 0.2514, 0.3334** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.1535, 0.4403, 0.3252**, and the grayscale version is **70.3025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **45.6679, 0.2382, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **81.6514, 0.2428, 0.3345**, and if you desaturate by 10%, it is **85.9619, 0.2618, 0.3324**.

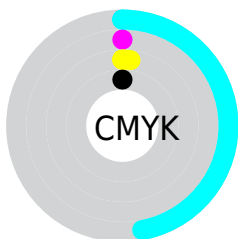
Distribution



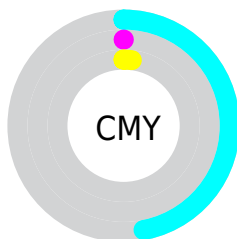
- Red (53%)
- Green (100%)
- Blue (98%)



- Red (53%)
- Yellow (77%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (47%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5534, 0.2514, 0.3334 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 83.5534, 0.2514, 0.3334 by changing the saturation by 10% instead.


 83.5534, 0.2514,
0.3334


 83.5534, 0.2514,
0.3334


506.8290, 0.2786,
0.3320

 62.6468, 0.2455,
0.3336


 138.3503, 0.2606,
0.3330

 45.5555, 0.2383,
0.3337


 173.0093, 0.2642,
0.3329

 31.8952, 0.2295,
0.3338


213.0213, 0.2674,
0.3327

 21.2815, 0.2183,
0.3337

258.7706, 0.2702,
0.3325

 13.3299, 0.2037,
0.3334

310.6416, 0.2726,
0.3324

 7.6561, 0.1841,
0.3323

369.0188, 0.2748,

 3.8757, 0.1564,

0.3323

434.2864, 0.2768,
0.3321

0.3295

1.6043, 0.1093,
0.3241

0.3605, 0.0000,
0.2658

83.5534, 0.2514,
0.3334

83.5534, 0.2514,
0.3334

81.6514, 0.2428,
0.3345

85.9619, 0.2618,
0.3324

80.2173, 0.2362,
0.3356

88.9084, 0.2738,
0.3314

79.2096, 0.2316,
0.3367

92.4240, 0.2871,
0.3304

78.5791, 0.2288,
0.3378

96.5366, 0.3015,
0.3296

■ 78.2613, 0.2277,
0.3388

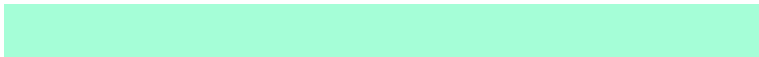
100.0000, 0.3127,
0.3290

■ 78.2058, 0.2275,
0.3391

Harmonies

Analogous

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



83.5534, 0.2821, 0.3731



83.5534, 0.2514, 0.3334



83.5534, 0.2370, 0.2956

Triad

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



83.5534, 0.2514, 0.3334



83.5534, 0.2988, 0.2693



83.5534, 0.3887, 0.3839

Complementary

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



83.5534, 0.2514, 0.3334



40.1535, 0.4403, 0.3252

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.



83.5534, 0.3949, 0.3537



83.5534, 0.2514, 0.3334



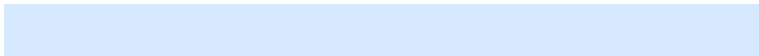
83.5534, 0.3410, 0.2901

Square

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



83.5534, 0.2514, 0.3334



83.5534, 0.2628, 0.2619



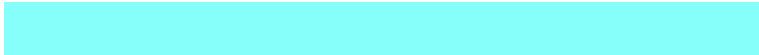
83.5534, 0.3771, 0.3201



83.5534, 0.3615, 0.4021

Rectangle

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



83.5534, 0.2514, 0.3334



83.5534, 0.2376, 0.2771



83.5534, 0.3771, 0.3201



83.5534, 0.3934, 0.3747

Sweetspot

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



83.5540, 0.2514, 0.3334



93.7704, 0.2920, 0.3301



78.6501, 0.3077, 0.4787



19.8882, 0.2889, 0.3303



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.



83.5540, 0.2514, 0.3334



81.7252, 0.2432, 0.3344



52.9282, 0.2370, 0.2602



20.4704, 0.2985, 0.3298



40.8689, 0.2275, 0.3389



3.9824, 0.2271, 0.3377

Inverse Universe

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



40.1535, 0.4403, 0.3252



33.5624, 0.4824, 0.3248



60.0172, 0.4137, 0.3876



17.9969, 0.3289, 0.3283



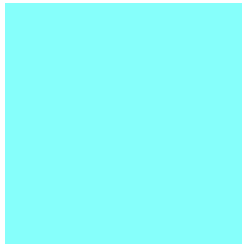
11.1227, 0.6367, 0.3281



1.0863, 0.6288, 0.3237

Previews

White Background



This preview shows how the Yxy color 83.5534, 0.2514, 0.3334 looks on a white background.

Color Contrast Check

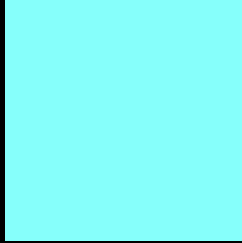
Large Text (above 18pt) WCAG AA × Fail

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 83.5534, 0.2514, 0.3334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

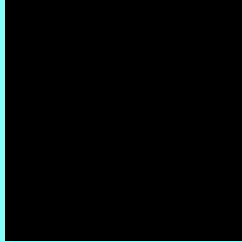
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5534, 0.2514, 0.3334

Background



This preview shows how black text looks on a background with the Yxy color 83.5534, 0.2514, 0.3334.

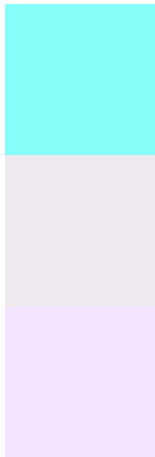


This preview shows how white text looks on a background with the Yxy color 83.5534, 0.2514, 0.3334.

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

83.5534, 0.2514, 0.3334

Protanopia

82.4554, 0.3123, 0.3239

Deuteranopia

82.1193, 0.3072, 0.3023



Tritanopia

83.1278, 0.2752, 0.3171

Trichromacy



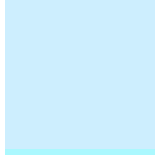
Original Color

83.5534, 0.2514, 0.3334



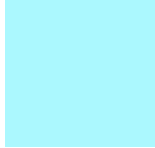
Protanomaly

81.6610, 0.2859, 0.3268



Deuteranomaly

81.2840, 0.2827, 0.3120



Tritanomaly

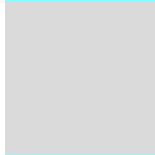
82.9485, 0.2652, 0.3223

Monochromacy



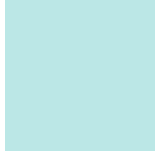
Original Color

83.5534, 0.2514, 0.3334



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.4298, 0.2848, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5534, 0.2514, 0.3334 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(134, 255, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 255, 251) }
```

Border

The CSS property to change the border of an element to Yxy 83.5534, 0.2514, 0.3334 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, 251) }
```

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

```
.border{ border-color:rgb(134, 255, 251) }
```

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, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(134, 255,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5534, 0.2514, 0.3334 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, 251) }
```

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

```
.background{ background-color: rgb(134,  
255, 251) }
```

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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