

Converting Colors

$Yxy(83.3135, 0.2624, 0.3526)$

Have a look what the booklet for
Yxy(83.3135, 0.2624, 0.3526)
contains.

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Color

Yxy(83.3002, 0.2626, 0.3531)

Conversions

Conversions Part 1

Format	Color
Hex	8FFFEA
RGB	143, 255, 234
RGB Percent	56%, 100%, 92%
CMY	0.4389, 0.0000, 0.0823
CMYK	0.44, 0.00, 0.08, 0.00
HSL	169°, 100%, 78%
HSV	169°, 44%, 100%
XYZ	61.9502, 83.3002, 90.6606
YIQ	219.1180, -60.0110, -30.2750

Conversions

Conversions Part 2

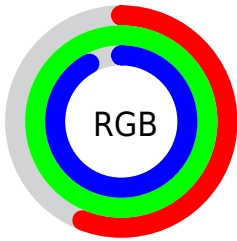
Format	Color
R_{YB}	143, 205, 255
Decimal	9437162
CIE _{Lab}	93.15, -36.94, 0.03
CIE _{LCh}	93, 36.940, 179.958
Yxy	83.3002, 0.2626, 0.3531
Android (android.graphics.Color)	4287627242 (0xFF8FFFEA)
YUV	219.1180, 7.3368, -66.7555
Hunter-Lab	91.2689, -38.5609, 4.9934

Details

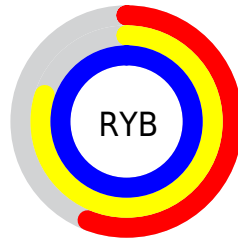
The Yxy color **83.3002, 0.2626, 0.3531** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.6119, 0.4071, 0.3073**, and the grayscale version is **70.9194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **45.4873, 0.2519, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **81.0077, 0.2546, 0.3596**, and if you desaturate by 10%, it is **86.1240, 0.2722, 0.3469**.

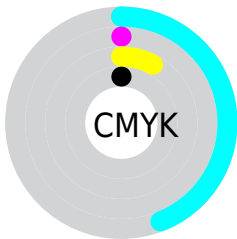
Distribution



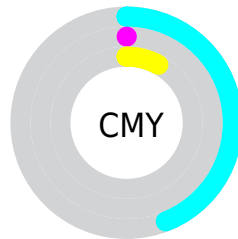
- Red (56%)
- Green (100%)
- Blue (92%)



- Red (56%)
- Yellow (80%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)



- Cyan (44%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3002, 0.2626, 0.3531 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 83.3002, 0.2626, 0.3531 by changing the saturation by 10% instead.

 83.3002, 0.2626,
0.3531

 83.3002, 0.2626,
0.3531


505.9865, 0.2851,
0.3423

 62.4378, 0.2576,
0.3555


 137.9958, 0.2703,
0.3494

 45.3866, 0.2516,
0.3584


 172.5979, 0.2733,
0.3480

 31.7620, 0.2440,
0.3620


212.5486, 0.2759,
0.3467

 21.1798, 0.2343,
0.3667

258.2325, 0.2782,
0.3456

 13.2555, 0.2216,
0.3728

310.0338, 0.2802,
0.3446

 7.6047, 0.2040,
0.3813

368.3369, 0.2820,

 3.8431, 0.1783,

0.3438

433.5264, 0.2837,
0.3430

0.3936

1.5862, 0.1270,
0.4183

0.3482, 0.0000,
0.4800

83.3002, 0.2626,
0.3531

83.3002, 0.2626,
0.3531

81.0077, 0.2546,
0.3596

86.1240, 0.2722,
0.3469

79.2011, 0.2484,
0.3663

89.5013, 0.2831,
0.3411

77.8436, 0.2441,
0.3732

93.4651, 0.2950,
0.3357

76.8888, 0.2419,
0.3801

98.0429, 0.3077,
0.3308

■ 76.2800, 0.2415,
0.3869

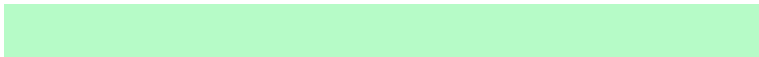
99.9952, 0.3127,
0.3290

■ 76.0290, 0.2420,
0.3911

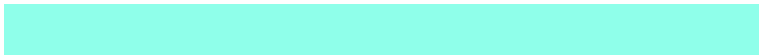
Harmonies

Analogous

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



83.3002, 0.2997, 0.3894



83.3002, 0.2626, 0.3531



83.3002, 0.2396, 0.3114

Triad

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



83.3002, 0.2626, 0.3531



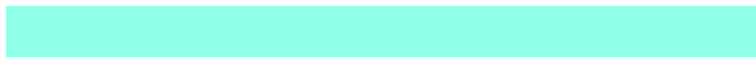
83.3002, 0.2799, 0.2624



83.3002, 0.3967, 0.3718

Complementary

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



83.3002, 0.2626, 0.3531



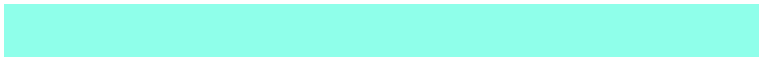
43.6119, 0.4071, 0.3073

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.



83.3002, 0.3916, 0.3382



83.3002, 0.2626, 0.3531



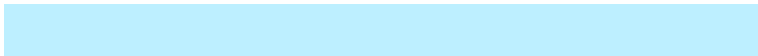
83.3002, 0.3216, 0.2778

Square

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



83.3002, 0.2626, 0.3531



83.3002, 0.2491, 0.2622



83.3002, 0.3633, 0.3047



83.3002, 0.3779, 0.3975

Rectangle

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



83.3002, 0.2626, 0.3531



83.3002, 0.2344, 0.2881



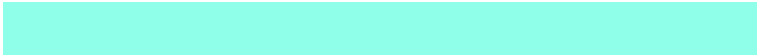
83.3002, 0.3633, 0.3047



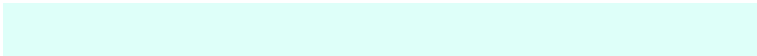
83.3002, 0.3978, 0.3610

Sweetspot

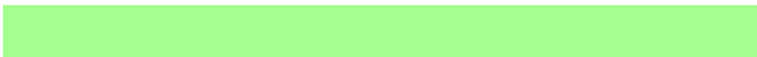
The Sweet Spot groups the original color and five complimentary colors.



83.3035, 0.2626, 0.3531



93.8520, 0.2961, 0.3352



81.5505, 0.3189, 0.4616



19.8872, 0.2934, 0.3364



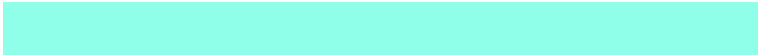
0.0000, 0.0000, 0.0000



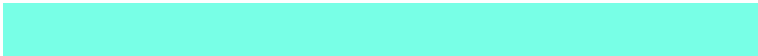
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3035, 0.2626, 0.3531



81.1963, 0.2552, 0.3590



65.0019, 0.2465, 0.2894



20.4196, 0.3005, 0.3335



39.7504, 0.2417, 0.3899



3.8848, 0.2395, 0.3821

Inverse Universe

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



43.6119, 0.4071, 0.3073



36.7071, 0.4388, 0.3036



54.5534, 0.4132, 0.3644



18.0427, 0.3265, 0.3246



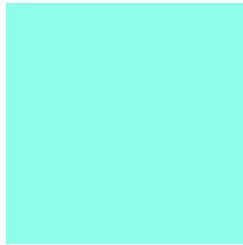
11.2353, 0.6112, 0.3141



1.1081, 0.5820, 0.2980

Previews

White Background



This preview shows how the Yxy color 83.3002, 0.2626, 0.3531 looks on a white background.

Color Contrast Check

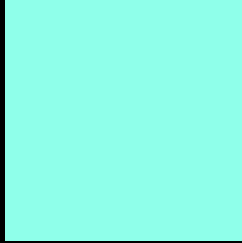
Large Text (above 18pt) WCAG AA × Fail

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 83.3002, 0.2626, 0.3531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

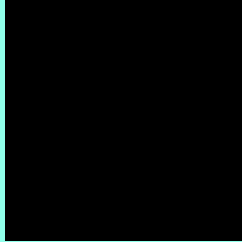
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.3002, 0.2626, 0.3531

Background



This preview shows how black text looks on a background with the Yxy color 83.3002, 0.2626, 0.3531.

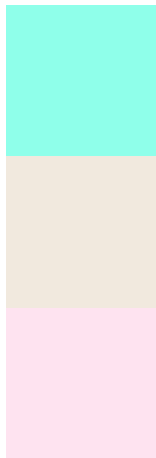


This preview shows how white text looks on a background with the Yxy color 83.3002, 0.2626, 0.3531.

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

83.3002, 0.2626, 0.3531

Protanopia

82.2525, 0.3252, 0.3403

Deuteranopia

82.3003, 0.3230, 0.3162



Tritanopia

82.6586, 0.2757, 0.3161

Trichromacy



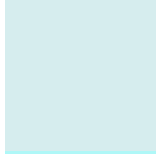
Original Color

83.3002, 0.2626, 0.3531



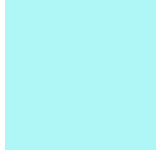
Protanomaly

81.3807, 0.2985, 0.3453



Deuteranomaly

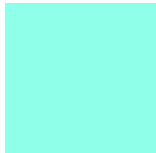
81.0376, 0.2972, 0.3279



Tritanomaly

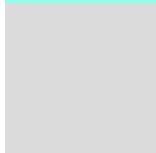
82.3509, 0.2705, 0.3289

Monochromacy



Original Color

83.3002, 0.2626, 0.3531



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.1714, 0.2907, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3002, 0.2626, 0.3531 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(143, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(143, 255, 234)  
}
```

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(143, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 234) }
```

Border

The CSS property to change the border of an element to Yxy 83.3002, 0.2626, 0.3531 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(143, 255, 234) }
```

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

```
.border{ border-color:rgb(143, 255, 234) }
```

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

Here you see how a box with a 4 pixel rgb(143, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(143, 255,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3002, 0.2626, 0.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 255, 234) }
```

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

```
.background{ background-color: rgb(143,  
255, 234) }
```

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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