

Converting Colors

Yxy(83.8822, 0.2607, 0.3456)

Have a look what the booklet for
Yxy(83.8822, 0.2607, 0.3456)
contains.

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Color

Yxy(83.8310, 0.2607, 0.3460)

Conversions

Conversions Part 1

Format	Color
Hex	91FFF0
RGB	145, 255, 240
RGB Percent	57%, 100%, 94%
CMY	0.4314, 0.0000, 0.0588
CMYK	0.43, 0.00, 0.06, 0.00
HSL	172°, 100%, 78%
HSV	172°, 43%, 100%
XYZ	63.1640, 83.8310, 95.2911
YIQ	220.4000, -60.7450, -27.9850

Conversions

Conversions Part 2

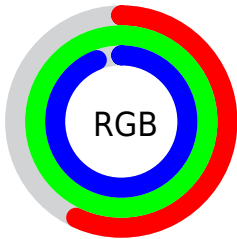
Format	Color
R_{YB}	145, 204, 255
Decimal	9568240
CIE _{Lab}	93.38, -35.12, -2.72
CIE _{LCh}	93, 35.230, 184.435
Y _{xy}	83.8310, 0.2607, 0.3460
Android (android.graphics.Color)	4287758320 (0xFF91FFF0)
YUV	220.4000, 9.6628, -66.1258
Hunter-Lab	91.5593, -37.0869, 2.3849

Details

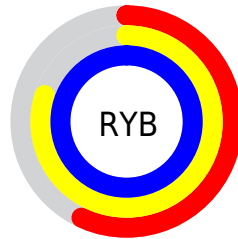
The Yxy color **83.8310, 0.2607, 0.3460** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.0465, 0.4108, 0.3136**, and the grayscale version is **71.8253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **45.8273, 0.2495, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **81.5638, 0.2521, 0.3506**, and if you desaturate by 10%, it is **86.6212, 0.2709, 0.3416**.

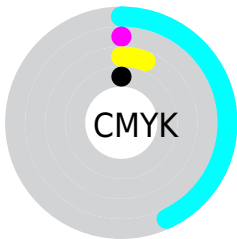
Distribution



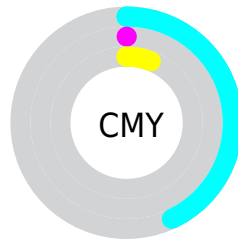
- Red (57%)
- Green (100%)
- Blue (94%)



- Red (57%)
- Yellow (80%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8310, 0.2607, 0.3460 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 83.8310, 0.2607, 0.3460 by changing the saturation by 10% instead.

 83.8310, 0.2607,
0.3460


 83.8310, 0.2607,
0.3460


507.7519, 0.2839,
0.3386

 62.8759, 0.2556,
0.3476


 138.7387, 0.2686,
0.3435

 45.7408, 0.2494,
0.3495


 173.4602, 0.2717,
0.3425

 32.0414, 0.2417,
0.3519


213.5392, 0.2744,
0.3416

 21.3931, 0.2318,
0.3548

259.3602, 0.2768,
0.3409

 13.4116, 0.2189,
0.3586

311.3076, 0.2789,
0.3402

 7.7126, 0.2012,
0.3636

369.7657, 0.2808,

 3.9116, 0.1756,

0.3396

435.1190, 0.2824,
0.3391

0.3705

1.6242, 0.1296,
0.3827

0.3739, 0.0000,
0.3849

83.8310, 0.2607,
0.3460

83.8310, 0.2607,
0.3460

81.5638, 0.2521,
0.3506

86.6212, 0.2709,
0.3416

79.7854, 0.2454,
0.3554

89.9676, 0.2824,
0.3374

78.4560, 0.2406,
0.3602

93.8990, 0.2950,
0.3336

77.5298, 0.2378,
0.3651

98.4429, 0.3084,
0.3300

■ 76.9511, 0.2368,
0.3699

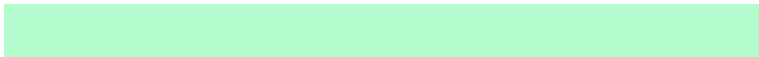
100.0000, 0.3127,
0.3290

■ 76.6999, 0.2370,
0.3732

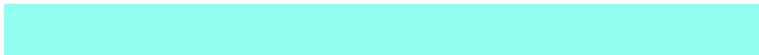
Harmonies

Analogous

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



83.8310, 0.2946, 0.3821



83.8310, 0.2607, 0.3460



83.8310, 0.2411, 0.3070

Triad

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



83.8310, 0.2607, 0.3460



83.8310, 0.2870, 0.2667



83.8310, 0.3913, 0.3743

Complementary

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



83.8310, 0.2607, 0.3460



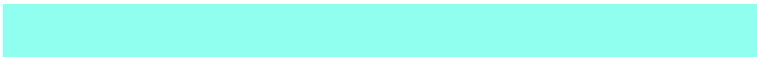
44.0465, 0.4108, 0.3136

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.



83.8310, 0.3900, 0.3429



83.8310, 0.2607, 0.3460



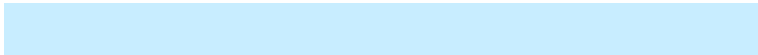
83.8310, 0.3275, 0.2833

Square

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



83.8310, 0.2607, 0.3460



83.8310, 0.2555, 0.2642



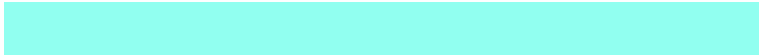
83.8310, 0.3660, 0.3104



83.8310, 0.3706, 0.3967

Rectangle

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



83.8310, 0.2607, 0.3460



83.8310, 0.2379, 0.2860



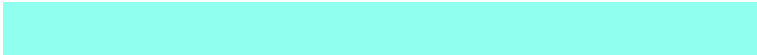
83.8310, 0.3660, 0.3104



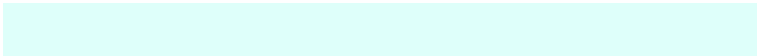
83.8310, 0.3935, 0.3644

Sweetspot

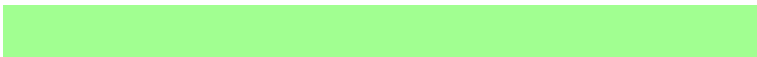
The Sweet Spot groups the original color and five complimentary colors.



83.8306, 0.2607, 0.3460



93.9583, 0.2952, 0.3335



81.1927, 0.3156, 0.4603



19.9137, 0.2924, 0.3343



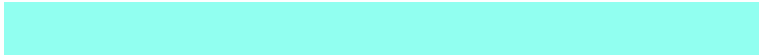
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.8306, 0.2607, 0.3460



81.7968, 0.2530, 0.3501



62.6063, 0.2464, 0.2835



20.4364, 0.2998, 0.3322



40.0938, 0.2368, 0.3724



3.9151, 0.2353, 0.3669

Inverse Universe

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



44.0465, 0.4108, 0.3136



37.1850, 0.4434, 0.3110



57.3760, 0.4082, 0.3695



18.0274, 0.3273, 0.3258



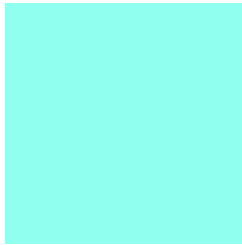
11.1837, 0.6226, 0.3203



1.1007, 0.5968, 0.3061

Previews

White Background



This preview shows how the Yxy color 83.8310, 0.2607, 0.3460 looks on a white background.

Color Contrast Check

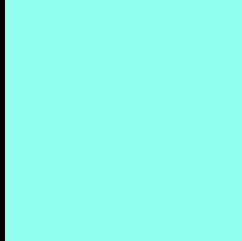
Large Text (above 18pt) WCAG AA × Fail

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 83.8310, 0.2607, 0.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

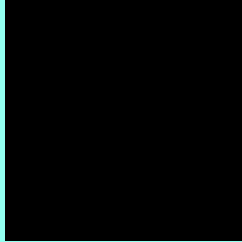
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

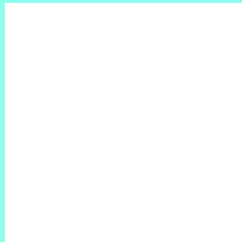
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8310, 0.2607, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 83.8310, 0.2607, 0.3460.

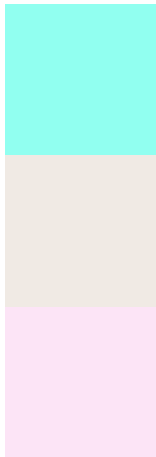


This preview shows how white text looks on a background with the Yxy color 83.8310, 0.2607, 0.3460.

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

83.8310, 0.2607, 0.3460

Protanopia

82.9723, 0.3206, 0.3352

Deuteranopia

82.8361, 0.3177, 0.3113



Tritanopia

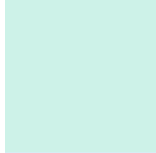
83.0569, 0.2773, 0.3161

Trichromacy



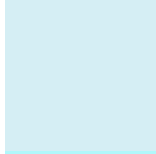
Original Color

83.8310, 0.2607, 0.3460



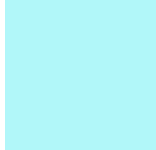
Protanomaly

82.3096, 0.2951, 0.3397



Deuteranomaly

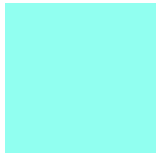
81.8269, 0.2931, 0.3226



Tritanomaly

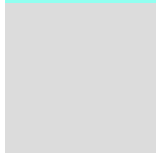
82.7708, 0.2700, 0.3256

Monochromacy



Original Color

83.8310, 0.2607, 0.3460



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.1613, 0.2903, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8310, 0.2607, 0.3460 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(145, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 240)  
}
```

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(145, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 240) }
```

Border

The CSS property to change the border of an element to Yxy 83.8310, 0.2607, 0.3460 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(145, 255, 240) }
```

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

```
.border{ border-color:rgb(145, 255, 240) }
```

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

Here you see how a box with a 4 pixel rgb(145, 255, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8310, 0.2607, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 240) }
```

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

```
.background{ background-color: rgb(145,  
255, 240) }
```

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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