

Converting Colors

$Yxy(83.5685, 0.2619, 0.3399)$

Have a look what the booklet for
Yxy(83.5685, 0.2619, 0.3399)
contains.

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Color

Yxy(83.3970, 0.2621, 0.3402)

Conversions

Conversions Part 1

Format	Color
Hex	98FDF3
RGB	152, 253, 243
RGB Percent	60%, 99%, 95%
CMY	0.4039, 0.0078, 0.0471
CMYK	0.40, 0.00, 0.04, 0.01
HSL	174°, 96%, 79%
HSV	174°, 40%, 99%
XYZ	64.2515, 83.3970, 97.4926
YIQ	221.6610, -56.9860, -24.5220

Conversions

Conversions Part 2

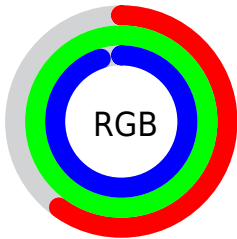
Format	Color
R _Y B	152, 205, 253
Decimal	10026483
CIE Lab	93.19, -31.82, -4.51
CIE LCh	93, 32.138, 188.071
Yxy	83.3970, 0.2621, 0.3402
Android (android.graphics.Color)	4288216563 (0xFF98FDF3)
YUV	221.6610, 10.5201, -61.0927
Hunter-Lab	91.3220, -34.2260, 0.6291

Details

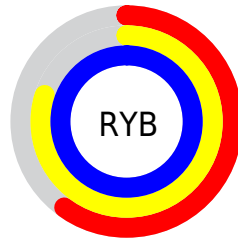
The Yxy color **83.3970, 0.2621, 0.3402** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.9546, 0.4040, 0.3187**, and the grayscale version is **72.7534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **45.4474, 0.2509, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **81.0630, 0.2527, 0.3435**, and if you desaturate by 10%, it is **86.2603, 0.2731, 0.3371**.

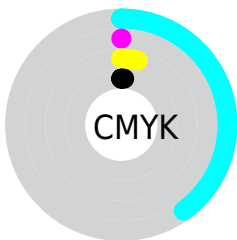
Distribution



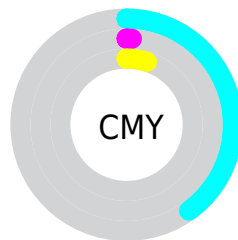
- Red (60%)
- Green (99%)
- Blue (95%)



- Red (60%)
- Yellow (80%)
- Blue (99%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)





- Cyan (40%)
- Magenta (1%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3970, 0.2621, 0.3402 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 83.3970, 0.2621, 0.3402 by changing the saturation by 10% instead.


 83.3970, 0.2621,
0.3402

 83.3970, 0.2621,
0.3402


506.3087, 0.2847,
0.3355

 62.5177, 0.2571,
0.3412


 138.1314, 0.2698,
0.3386

 45.4512, 0.2511,
0.3424


 172.7552, 0.2728,
0.3380

 31.8129, 0.2436,
0.3438


212.7294, 0.2754,
0.3375

 21.2187, 0.2341,
0.3455

258.4382, 0.2777,
0.3370

 13.2839, 0.2215,
0.3476

310.2662, 0.2798,
0.3365

 7.6243, 0.2044,
0.3502

368.5977, 0.2816,

 3.8555, 0.1796,

0.3361

433.8170, 0.2832,
0.3358

0.3534

1.5931, 0.1373,
0.3581

0.3529, 0.0000,
0.3353

83.3970, 0.2621,
0.3402

83.3970, 0.2621,
0.3402

81.0630, 0.2527,
0.3435

86.2603, 0.2731,
0.3371

79.2150, 0.2451,
0.3468

89.6735, 0.2854,
0.3342

77.8190, 0.2394,
0.3503

93.6680, 0.2988,
0.3315

76.8324, 0.2356,
0.3537

98.2700, 0.3128,
0.3290

■ 76.2043, 0.2338,
0.3572

98.7332, 0.3128,
0.3271

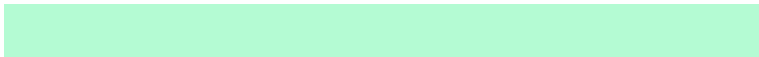
■ 75.8520, 0.2335,
0.3606

■ 75.8495, 0.2335,
0.3606

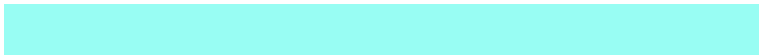
Harmonies

Analogous

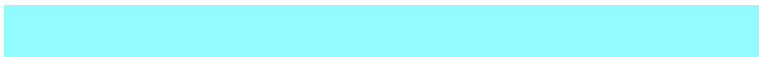
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3970, 0.2920, 0.3739



83.3970, 0.2621, 0.3402



83.3970, 0.2459, 0.3053

Triad

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



83.3970, 0.2621, 0.3402



83.3970, 0.2935, 0.2728



83.3970, 0.3833, 0.3739

Complementary

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



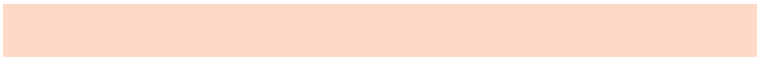
83.3970, 0.2621, 0.3402



45.9546, 0.4040, 0.3187

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.



83.3970, 0.3846, 0.3458



83.3970, 0.2621, 0.3402



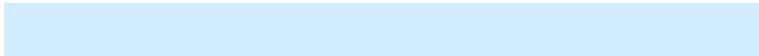
83.3970, 0.3309, 0.2896

Square

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



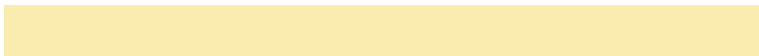
83.3970, 0.2621, 0.3402



83.3970, 0.2631, 0.2690



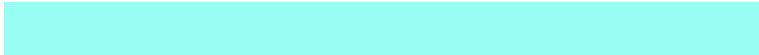
83.3970, 0.3650, 0.3156



83.3970, 0.3624, 0.3924

Rectangle

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



83.3970, 0.2621, 0.3402



83.3970, 0.2442, 0.2869



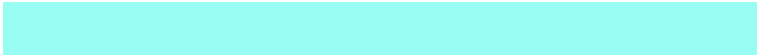
83.3970, 0.3650, 0.3156



83.3970, 0.3861, 0.3652

Sweetspot

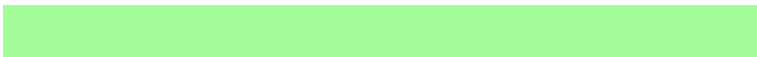
The Sweet Spot groups the original color and five complimentary colors.



83.4003, 0.2621, 0.3402



94.4573, 0.2959, 0.3320



80.2140, 0.3127, 0.4502



20.1002, 0.2941, 0.3323



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

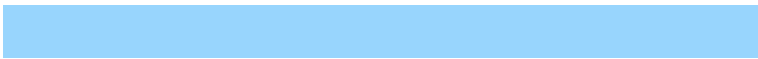
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4003, 0.2621, 0.3402



82.9366, 0.2543, 0.3428



61.1607, 0.2501, 0.2813



20.4486, 0.2993, 0.3314



40.3600, 0.2333, 0.3600



3.9383, 0.2323, 0.3561

Inverse Universe

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



45.9546, 0.4040, 0.3187



39.9621, 0.4334, 0.3168



61.0308, 0.3966, 0.3717



18.0163, 0.3279, 0.3267



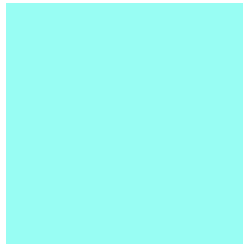
11.1557, 0.6290, 0.3238



1.0955, 0.6078, 0.3122

Previews

White Background



This preview shows how the Yxy color 83.3970, 0.2621, 0.3402 looks on a white background.

Color Contrast Check

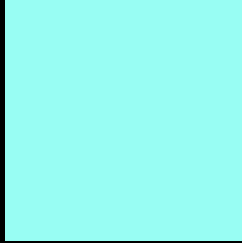
Large Text (above 18pt) WCAG AA × Fail

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 83.3970, 0.2621, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

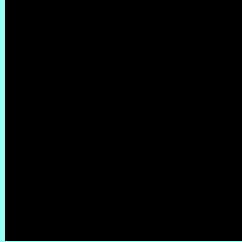
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.3970, 0.2621, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 83.3970, 0.2621, 0.3402.

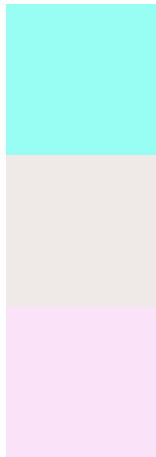


This preview shows how white text looks on a background with the Yxy color 83.3970, 0.2621, 0.3402.

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

83.3970, 0.2621, 0.3402

Protanopia

82.3981, 0.3180, 0.3311

Deuteranopia

82.0395, 0.3151, 0.3083



Tritanopia

82.9233, 0.2768, 0.3161

Trichromacy



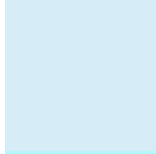
Original Color

83.3970, 0.2621, 0.3402



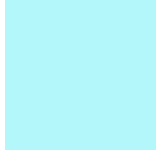
Protanomaly

81.5837, 0.2946, 0.3343



Deuteranomaly

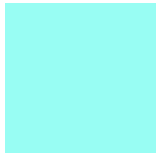
80.9409, 0.2925, 0.3184



Tritanomaly

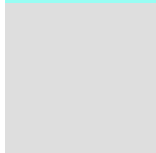
83.0703, 0.2706, 0.3245

Monochromacy



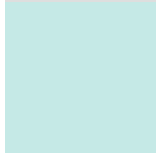
Original Color

83.3970, 0.2621, 0.3402



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.8613, 0.2910, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3970, 0.2621, 0.3402 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(152, 253, 243)` looks like.

```
.text, #text, p{  
    color:rgb(152, 253, 243)  
}
```

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(152, 253, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 253, 243) }
```

Border

The CSS property to change the border of an element to Yxy 83.3970, 0.2621, 0.3402 is called "border". The border property can be set on classes, ids or directly on the HTML element.

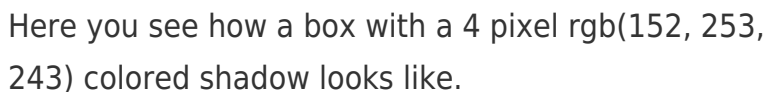
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 253, 243) }
```

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

```
.border{ border-color:rgb(152, 253, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(152, 253, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 253, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 253, 243); box-shadow:4px 4px 4px 4px rgb(152, 253, 243) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3970, 0.2621, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 253, 243) }
```

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

```
.background{ background-color: rgb(152,  
253, 243) }
```

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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