

Converting Colors

$Yxy(81.1777, 0.2602, 0.3557)$

Have a look what the booklet for
Yxy(81.1777, 0.2602, 0.3557)
contains.

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Color

Yxy(81.0321, 0.2602, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	86FDE6
RGB	134, 253, 230
RGB Percent	53%, 99%, 90%
CMY	0.4745, 0.0078, 0.0979
CMYK	0.47, 0.00, 0.09, 0.01
HSL	168°, 97%, 76%
HSV	168°, 47%, 99%
XYZ	59.2429, 81.0321, 87.4072
YIQ	214.7970, -63.5410, -32.3810

Conversions

Conversions Part 2

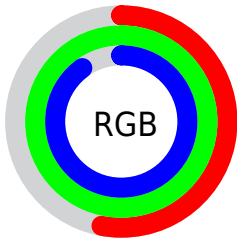
Format	Color
RYB	134, 200, 253
Decimal	8846822
CIELab	92.15, -39.04, 0.58
CIELCh	92, 39.044, 179.147
Yxy	81.0321, 0.2602, 0.3559
Android (android.graphics.Color)	4287036902 (0xFF86FDE6)
YUV	214.7970, 7.4951, -70.8590
Hunter-Lab	90.0178, -40.0560, 5.4420

Details

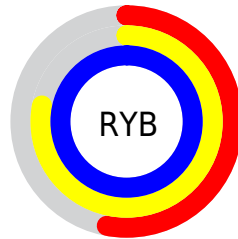
The Yxy color **81.0321, 0.2602, 0.3559** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **40.3656, 0.4168, 0.3052**, and the grayscale version is **67.7939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **43.9915, 0.2484, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **78.9287, 0.2528, 0.3627**, and if you desaturate by 10%, it is **83.6468, 0.2693, 0.3494**.

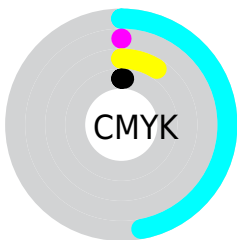
Distribution



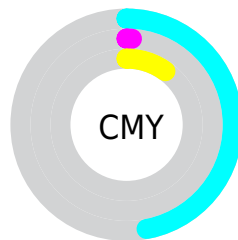
- Red (53%)
- Green (99%)
- Blue (90%)



- Red (53%)
- Yellow (78%)
- Blue (99%)



- Cyan (47%)
- Magenta (0%)
- Yellow (9%)
- Black (1%)





- Cyan (47%)
- Magenta (1%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0321, 0.2602, 0.3559 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 81.0321, 0.2602, 0.3559 by changing the saturation by 10% instead.

 81.0321, 0.2602,
0.3559

 81.0321, 0.2602,
0.3559


498.4043, 0.2839,
0.3437

 60.5680, 0.2549,
0.3586


 134.8158, 0.2683,
0.3517

 43.8767, 0.2485,
0.3619


 168.9043, 0.2715,
0.3501

 30.5735, 0.2404,
0.3661


208.3030, 0.2743,
0.3487

 20.2743, 0.2301,
0.3714

253.3964, 0.2767,
0.3474

 12.5946, 0.2165,
0.3785

304.5688, 0.2788,
0.3463

 7.1500, 0.1975,
0.3884

362.2047, 0.2807,

 3.5561, 0.1698,

0.3454

0.4030

426.6884, 0.2824,
0.3445

■ 1.4285, 0.0999,
0.4390

■ 0.2376, 0.0000,
0.5215

■ 81.0321, 0.2602,
0.3559

■ 81.0321, 0.2602,
0.3559

■ 78.9287, 0.2528,
0.3627

■ 83.6468, 0.2693,
0.3494

■ 77.2908, 0.2472,
0.3697

■ 86.7958, 0.2798,
0.3433


■ 76.0807, 0.2436,
0.3768


■ 90.5119, 0.2913,
0.3376


■ 75.2504, 0.2420,
0.3839

■ 94.8228, 0.3037,
0.3324

 74.7383, 0.2422,
0.3909

 98.6965, 0.3131,
0.3276

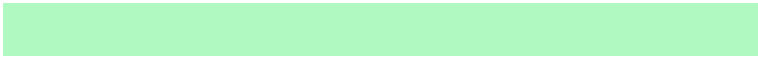
 74.6201, 0.2425,
0.3930

 98.7319, 0.3128,
0.3271

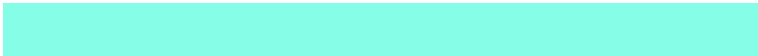
Harmonies

Analogous

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



81.0321, 0.2998, 0.3946



81.0321, 0.2602, 0.3559



81.0321, 0.2355, 0.3112

Triad

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



81.0321, 0.2602, 0.3559



81.0321, 0.2766, 0.2581



81.0321, 0.4025, 0.3733

Complementary

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



81.0321, 0.2602, 0.3559



40.3656, 0.4168, 0.3052

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.



81.0321, 0.3964, 0.3375



81.0321, 0.2602, 0.3559



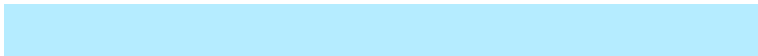
81.0321, 0.3208, 0.2740

Square

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



81.0321, 0.2602, 0.3559



81.0321, 0.2445, 0.2582



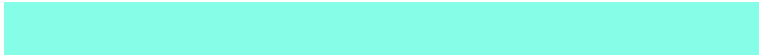
81.0321, 0.3656, 0.3022



81.0321, 0.3828, 0.4013

Rectangle

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



81.0321, 0.2602, 0.3559



81.0321, 0.2296, 0.2861



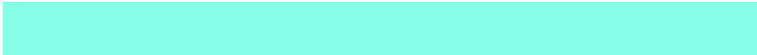
81.0321, 0.3656, 0.3022



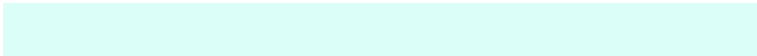
81.0321, 0.4035, 0.3617

Sweetspot

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



81.0353, 0.2602, 0.3559



93.4108, 0.2950, 0.3360



79.2218, 0.3189, 0.4723



19.7997, 0.2924, 0.3371



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

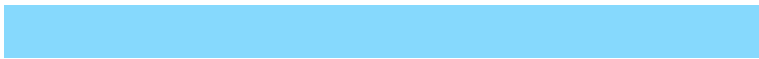
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0353, 0.2602, 0.3559



80.5484, 0.2534, 0.3620



61.9410, 0.2423, 0.2861



20.4178, 0.3006, 0.3336



39.7153, 0.2422, 0.3918



3.8816, 0.2400, 0.3838

Inverse Universe

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



40.3656, 0.4168, 0.3052



34.7788, 0.4492, 0.3018



51.2409, 0.4233, 0.3668



18.0444, 0.3264, 0.3244



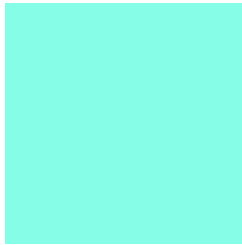
11.2418, 0.6098, 0.3133



1.1089, 0.5804, 0.2971

Previews

White Background



This preview shows how the Yxy color 81.0321, 0.2602, 0.3559 looks on a white background.

Color Contrast Check

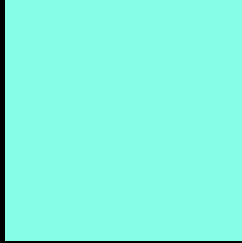
Large Text (above 18pt) WCAG AA × Fail

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 81.0321, 0.2602, 0.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

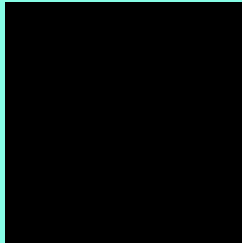
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.0321, 0.2602, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 81.0321, 0.2602, 0.3559.

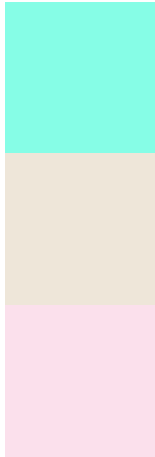


This preview shows how white text looks on a background with the Yxy color 81.0321, 0.2602, 0.3559.

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

81.0321, 0.2602, 0.3559

Protanopia

79.7805, 0.3267, 0.3426

Deuteranopia

79.8767, 0.3238, 0.3171



Tritanopia

80.6693, 0.2696, 0.3147

Trichromacy



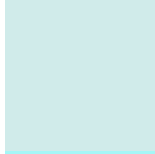
Original Color

81.0321, 0.2602, 0.3559



Protanomaly

78.7024, 0.2977, 0.3467



Deuteranomaly

78.7671, 0.2957, 0.3300



Tritanomaly

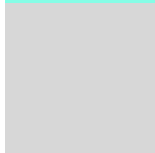
80.5647, 0.2658, 0.3289

Monochromacy



Original Color

81.0321, 0.2602, 0.3559



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.6450, 0.2898, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0321, 0.2602, 0.3559 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, 253, 230)` looks like.

```
.text, #text, p{  
    color:rgb(134, 253, 230)  
}
```

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, 253, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 253, 230) }
```

Border

The CSS property to change the border of an element to Yxy 81.0321, 0.2602, 0.3559 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, 253, 230) }
```

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

```
.border{ border-color:rgb(134, 253, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 253, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 253, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 253, 230);  
box-shadow:4px 4px 4px 4px rgb(134, 253,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0321, 0.2602, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 253, 230) }
```

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

```
.background{ background-color: rgb(134,  
253, 230) }
```

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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