

Converting Colors

$Yxy(96.5368, 0.2607, 0.3839)$

Have a look what the booklet for
Yxy(96.5368, 0.2607, 0.3839)
contains.

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Color

Yxy(81.3147, 0.2563, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	7AFFE5
RGB	122, 255, 229
RGB Percent	48%, 100%, 90%
CMY	0.5217, 0.0000, 0.1020
CMYK	0.52, 0.00, 0.10, 0.00
HSL	168°, 100%, 74%
HSV	168°, 52%, 100%
XYZ	57.9237, 81.3147, 86.7613
YIQ	212.2690, -70.9220, -36.2820

Conversions

Conversions Part 2

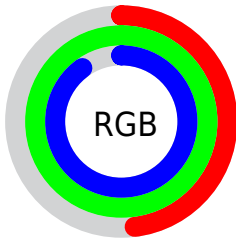
Format	Color
RYB	122, 196, 255
Decimal	8060901
CIELab	92.27, -42.78, 1.26
CIELCh	92, 42.794, 178.317
Yxy	81.3147, 0.2563, 0.3598
Android (android.graphics.Color)	4286250981 (0xFF7AFFE5)
YUV	212.2690, 8.2484, -79.1659
Hunter-Lab	90.1747, -43.1461, 6.0766

Details

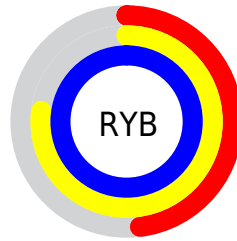
The Yxy color **81.3147, 0.2563, 0.3598** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **37.3092, 0.4344, 0.3027**, and the grayscale version is **65.9982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **44.2564, 0.2437, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **79.4143, 0.2498, 0.3668**, and if you desaturate by 10%, it is **83.7056, 0.2645, 0.3530**.

Distribution



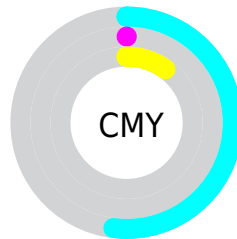
- Red (48%)
- Green (100%)
- Blue (90%)



- Red (48%)
- Yellow (77%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3147, 0.2563, 0.3598 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 81.3147, 0.2563, 0.3598 by changing the saturation by 10% instead.

 81.3147, 0.2563,
0.3598

 81.3147, 0.2563,
0.3598


499.3525, 0.2818,
0.3458

 60.8008, 0.2506,
0.3629

 135.2126, 0.2650,
0.3550

 44.0644, 0.2437,
0.3667

 169.3653, 0.2684,
0.3531

 30.7212, 0.2351,
0.3715


 208.8332, 0.2714,
0.3515

 20.3866, 0.2241,
0.3777

254.0005, 0.2740,
0.3501

 12.6764, 0.2095,
0.3859

305.2517, 0.2763,
0.3488

 7.2061, 0.1893,
0.3973

362.9712, 0.2783,

 3.5913, 0.1600,

0.3477

427.5433, 0.2801,
0.3467

0.4142

1.4477, 0.0784,
0.4593

0.2515, 0.0000,
0.5749

81.3147, 0.2563,
0.3598

81.3147, 0.2563,
0.3598

79.4143, 0.2498,
0.3668

83.7056, 0.2645,
0.3530

77.9738, 0.2453,
0.3740


86.6305, 0.2743,
0.3466


76.9452, 0.2428,
0.3812

90.1182, 0.2853,
0.3406

76.2740, 0.2422,
0.3884

94.1979, 0.2973,
0.3351

 75.9345, 0.2428,
0.3939

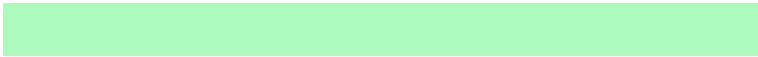
 98.8968, 0.3099,
0.3300

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



81.3147, 0.2996, 0.4023



81.3147, 0.2563, 0.3598



81.3147, 0.2291, 0.3103

Triad

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



81.3147, 0.2563, 0.3598



81.3147, 0.2720, 0.2519



81.3147, 0.4111, 0.3756

Complementary

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



81.3147, 0.2563, 0.3598



37.3092, 0.4344, 0.3027

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.



81.3147, 0.4039, 0.3366



81.3147, 0.2563, 0.3598



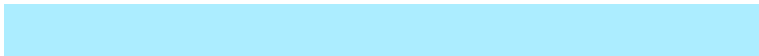
81.3147, 0.3199, 0.2687

Square

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



81.3147, 0.2563, 0.3598



81.3147, 0.2378, 0.2522



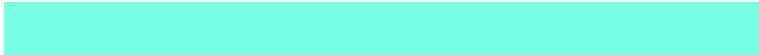
81.3147, 0.3694, 0.2987



81.3147, 0.3900, 0.4070

Rectangle

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



81.3147, 0.2563, 0.3598



81.3147, 0.2225, 0.2828



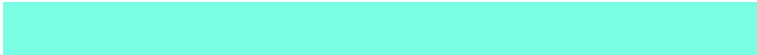
81.3147, 0.3694, 0.2987



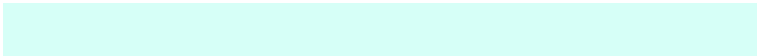
81.3147, 0.4120, 0.3630

Sweetspot

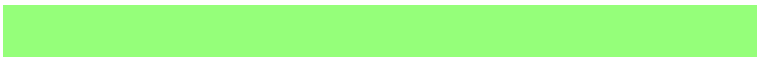
The Sweet Spot groups the original color and five complimentary colors.



81.3119, 0.2563, 0.3598



92.5630, 0.2926, 0.3371



79.2742, 0.3187, 0.4898



19.6322, 0.2902, 0.3383



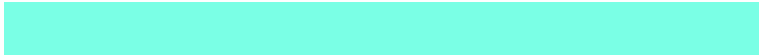
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.3119, 0.2563, 0.3598



79.2777, 0.2494, 0.3674



60.0026, 0.2356, 0.2805



20.4170, 0.3006, 0.3337



39.6990, 0.2424, 0.3927



3.8802, 0.2402, 0.3846

Inverse Universe

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



37.3092, 0.4344, 0.3027



30.8280, 0.4765, 0.2997



48.4625, 0.4406, 0.3704



18.0451, 0.3263, 0.3244



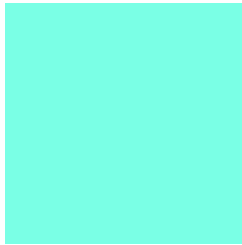
11.2449, 0.6091, 0.3129



1.1093, 0.5796, 0.2966

Previews

White Background



This preview shows how the Yxy color 81.3147, 0.2563, 0.3598 looks on a white background.

Color Contrast Check

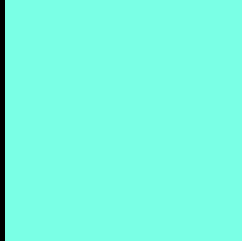
Large Text (above 18pt) WCAG AA × Fail

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 81.3147, 0.2563, 0.3598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

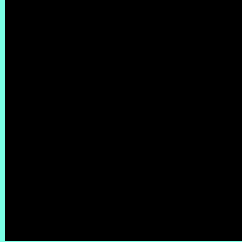
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

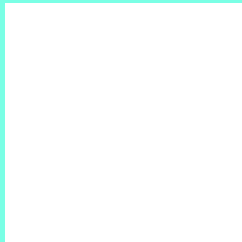
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.3147, 0.2563, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 81.3147, 0.2563, 0.3598.

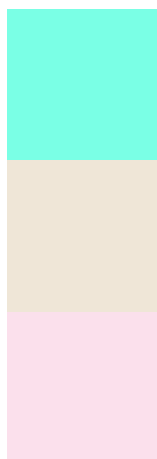


This preview shows how white text looks on a background with the Yxy color 81.3147, 0.2563, 0.3598.

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

81.3147, 0.2563, 0.3598

Protanopia

79.8506, 0.3287, 0.3446

Deuteranopia

79.8767, 0.3238, 0.3171



Tritanopia

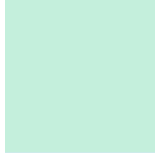
80.5480, 0.2690, 0.3147

Trichromacy



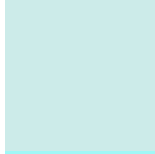
Original Color

81.3147, 0.2563, 0.3598



Protanomaly

78.6361, 0.2963, 0.3502



Deuteranomaly

78.1372, 0.2938, 0.3311



Tritanomaly

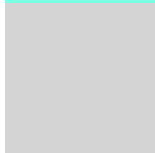
80.6489, 0.2635, 0.3300

Monochromacy



Original Color

81.3147, 0.2563, 0.3598



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.1325, 0.2865, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3147, 0.2563, 0.3598 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(122, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 229)  
}
```

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(122, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 229) }
```

Border

The CSS property to change the border of an element to Yxy 81.3147, 0.2563, 0.3598 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(122, 255, 229) }
```

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

```
.border{ border-color:rgb(122, 255, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3147, 0.2563, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 229) }
```

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

```
.background{ background-color: rgb(122,  
255, 229) }
```

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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