

Converting Colors

$Yxy(81.1605, 0.2469, 0.3454)$

Have a look what the booklet for
Yxy(81.1605, 0.2469, 0.3454)
contains.

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Color

Yxy(81.1859, 0.2470, 0.3454)

Conversions

Conversions Part 1

Format	Color
Hex	6EFFF1
RGB	110, 255, 241
RGB Percent	43%, 100%, 95%
CMY	0.5689, 0.0000, 0.0550
CMYK	0.57, 0.00, 0.06, 0.00
HSL	174°, 100%, 72%
HSV	174°, 57%, 100%
XYZ	58.0571, 81.1859, 95.8059
YIQ	210.0490, -81.9260, -35.0940

Conversions

Conversions Part 2

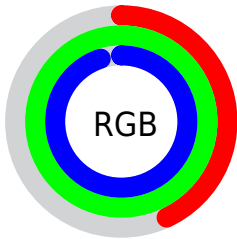
Format	Color
RYB	110, 186, 255
Decimal	7274481
CIELab	92.21, -42.20, -5.07
CIELCh	92, 42.508, 186.854
Yxy	81.1859, 0.2470, 0.3454
Android (android.graphics.Color)	4285464561 (0xFF6EFFF1)
YUV	210.0490, 15.2588, -87.7430
Hunter-Lab	90.1032, -42.6660, 0.0297

Details

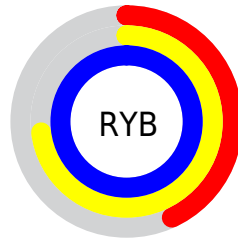
The Yxy color **81.1859, 0.2470, 0.3454** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.8513, 0.4704, 0.3157**, and the grayscale version is **64.4040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **44.1522, 0.2329, 0.3491** is the 20% darker color. If you saturate the color by 10%, you get **79.6276, 0.2407, 0.3487**, and if you desaturate by 10%, it is **83.2043, 0.2552, 0.3421**.

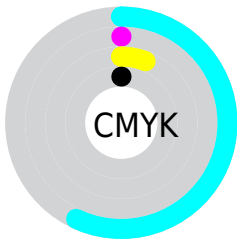
Distribution



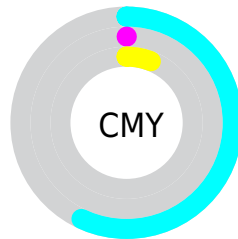
- Red (43%)
- Green (100%)
- Blue (95%)



- Red (43%)
- Yellow (73%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1859, 0.2470, 0.3454 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 81.1859, 0.2470, 0.3454 by changing the saturation by 10% instead.


 81.1859, 0.2470,
0.3454


 81.1859, 0.2470,
0.3454


498.9205, 0.2763,
0.3385


 60.6947, 0.2406,
0.3468


 135.0318, 0.2570,
0.3431

 43.9788, 0.2327,
0.3485


 169.1552, 0.2609,
0.3422

 30.6539, 0.2231,
0.3505


 208.5916, 0.2643,
0.3414

 20.3354, 0.2108,
0.3530

253.7252, 0.2673,
0.3407

 12.6391, 0.1947,
0.3559

304.9405, 0.2700,
0.3400

 7.1805, 0.1729,
0.3595


362.6219, 0.2723,


 3.5752, 0.1421,


0.3395


427.1538, 0.2744,
0.3389

0.3635


 1.4389, 0.0670,
0.3783


 0.2451, 0.0000,
0.2828


 81.1859, 0.2470,
0.3454


 81.1859, 0.2470,
0.3454


 79.6276, 0.2407,
0.3487


 83.2043, 0.2552,
0.3421


 78.5062, 0.2364,
0.3521

 85.7378, 0.2652,
0.3390


 77.7665, 0.2340,
0.3554

 88.8135, 0.2766,
0.3360

 77.3468, 0.2333,
0.3587

 92.4615, 0.2893,
0.3332

 77.2524, 0.2333,
0.3598

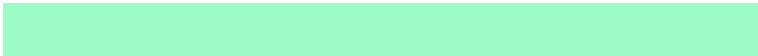
 96.7099, 0.3029,
0.3306

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.



81.1859, 0.2864, 0.3917



81.1859, 0.2470, 0.3454



81.1859, 0.2256, 0.2979

Triad

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



81.1859, 0.2470, 0.3454



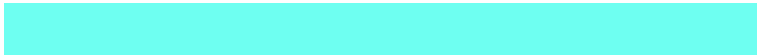
81.1859, 0.2848, 0.2555



81.1859, 0.4072, 0.3855

Complementary

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



81.1859, 0.2470, 0.3454



33.8513, 0.4704, 0.3157

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.



81.1859, 0.4084, 0.3479



81.1859, 0.2470, 0.3454



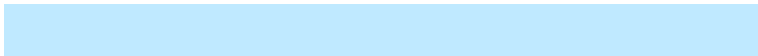
81.1859, 0.3344, 0.2764

Square

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



81.1859, 0.2470, 0.3454



81.1859, 0.2461, 0.2507



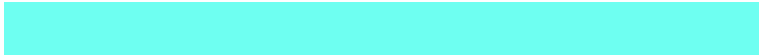
81.1859, 0.3810, 0.3091



81.1859, 0.3794, 0.4125

Rectangle

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



81.1859, 0.2470, 0.3454



81.1859, 0.2232, 0.2737



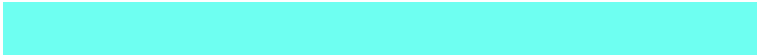
81.1859, 0.3810, 0.3091



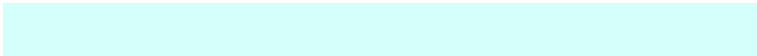
81.1859, 0.4108, 0.3736

Sweetspot

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



81.1798, 0.2470, 0.3454



92.4180, 0.2892, 0.3332



76.9621, 0.3109, 0.5096



19.6145, 0.2865, 0.3338



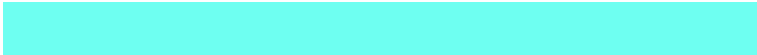
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.1798, 0.2470, 0.3454



79.4826, 0.2401, 0.3491



50.4507, 0.2257, 0.2562



20.4494, 0.2993, 0.3313



40.3784, 0.2331, 0.3592



3.9399, 0.2321, 0.3554

Inverse Universe

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



33.8513, 0.4704, 0.3157



28.1232, 0.5207, 0.3153



50.3744, 0.4471, 0.3880



18.0156, 0.3279, 0.3267



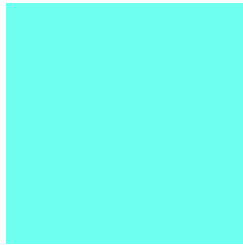
11.1541, 0.6293, 0.3240



1.0951, 0.6086, 0.3126

Previews

White Background



This preview shows how the Yxy color 81.1859, 0.2470, 0.3454 looks on a white background.

Color Contrast Check

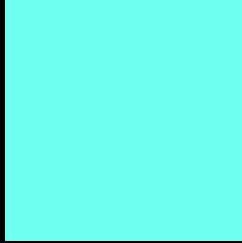
Large Text (above 18pt) WCAG AA × Fail

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 81.1859, 0.2470, 0.3454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

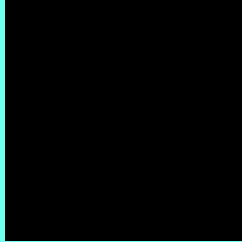
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

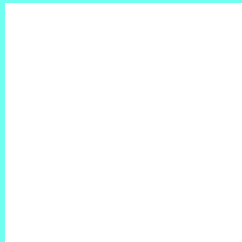
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.1859, 0.2470, 0.3454

Background



This preview shows how black text looks on a background with the Yxy color 81.1859, 0.2470, 0.3454.

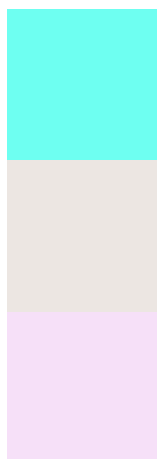


This preview shows how white text looks on a background with the Yxy color 81.1859, 0.2470, 0.3454.

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

81.1859, 0.2470, 0.3454

Protanopia

79.9175, 0.3194, 0.3332

Deuteranopia

79.6815, 0.3125, 0.3051



Tritanopia

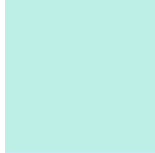
80.7862, 0.2676, 0.3158

Trichromacy



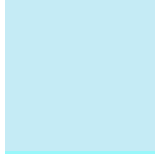
Original Color

81.1859, 0.2470, 0.3454



Protanomaly

78.4497, 0.2865, 0.3378



Deuteranomaly

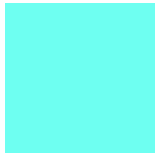
77.8796, 0.2827, 0.3181



Tritanomaly

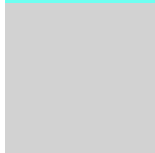
80.1960, 0.2583, 0.3254

Monochromacy



Original Color

81.1859, 0.2470, 0.3454



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.6118, 0.2816, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1859, 0.2470, 0.3454 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(110, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(110, 255, 241)  
}
```

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(110, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 81.1859, 0.2470, 0.3454 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(110, 255, 241) }
```

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

```
.border{ border-color:rgb(110, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 255, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 255, 241); box-shadow:4px 4px 4px 4px rgb(110, 255, 241) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1859, 0.2470, 0.3454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 255, 241) }
```

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

```
.background{ background-color: rgb(110,  
255, 241) }
```

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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