

Converting Colors

$Yxy(92.0009, 0.2471, 0.3501)$

Have a look what the booklet for
Yxy(92.0009, 0.2471, 0.3501)
contains.

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Color

Yxy(81.9298, 0.2436, 0.3334)

Conversions

Conversions Part 1

Format	Color
Hex	70FFFB
RGB	112, 255, 251
RGB Percent	44%, 100%, 98%
CMY	0.5606, 0.0000, 0.0156
CMYK	0.56, 0.00, 0.02, 0.00
HSL	178°, 100%, 72%
HSV	178°, 56%, 100%
XYZ	59.8623, 81.9298, 103.9481
YIQ	211.7870, -83.9440, -31.5600

Conversions

Conversions Part 2

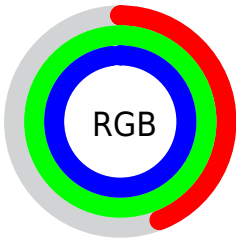
Format	Color
RYB	112, 185, 255
Decimal	7405563
CIELab	92.54, -39.27, -9.79
CIElCh	93, 40.473, 193.994
Yxy	81.9298, 0.2436, 0.3334
Android (android.graphics.Color)	4285595643 (0xFF70FFFB)
YUV	211.7870, 19.3320, -87.5132
Hunter-Lab	90.5151, -40.3501, -4.7285

Details

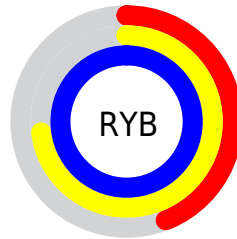
The Yxy color **81.9298, 0.2436, 0.3334** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.1205, 0.4790, 0.3256**, and the grayscale version is **65.6117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **44.6354, 0.2288, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **80.4450, 0.2367, 0.3343**, and if you desaturate by 10%, it is **83.8946, 0.2525, 0.3325**.

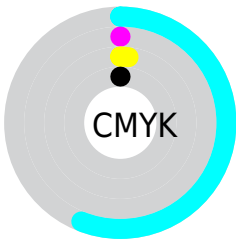
Distribution



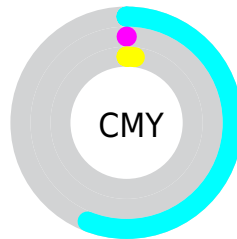
- Red (44%)
- Green (100%)
- Blue (98%)



- Red (44%)
- Yellow (73%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9298, 0.2436, 0.3334 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 81.9298, 0.2436, 0.3334 by changing the saturation by 10% instead.


 81.9298, 0.2436,
0.3334


 81.9298, 0.2436,
0.3334


501.4128, 0.2742,
0.3322


 61.3077, 0.2369,
0.3335


 136.0756, 0.2540,
0.3331

 44.4735, 0.2289,
0.3335


 170.3680, 0.2581,
0.3330

 31.0429, 0.2189,
0.3334


 209.9859, 0.2616,
0.3328

 20.6315, 0.2064,
0.3331

255.3138, 0.2648,
0.3327

 12.8549, 0.1901,
0.3323

306.7361, 0.2675,
0.3325

 7.3287, 0.1683,
0.3304


364.6371, 0.2700,


 3.6685, 0.1380,


0.3324


0.3260


429.4012, 0.2722,
0.3323


 1.4899, 0.0777,
0.3207


 0.2816, 0.0000,
0.2213


 81.9298, 0.2436,
0.3334


 81.9298, 0.2436,
0.3334


 80.4450, 0.2367,
0.3343

 83.8946, 0.2525,
0.3325


 79.3896, 0.2317,
0.3352

 86.3664, 0.2631,
0.3317

 78.7187, 0.2287,
0.3361

 89.3810, 0.2754,
0.3308

 78.3724, 0.2273,
0.3370

 92.9685, 0.2889,
0.3301

 78.2902, 0.2271,
0.3374

 97.1568, 0.3035,
0.3294

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



81.9298, 0.2777, 0.3791



81.9298, 0.2436, 0.3334



81.9298, 0.2278, 0.2906

Triad

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



81.9298, 0.2436, 0.3334



81.9298, 0.2970, 0.2623



81.9298, 0.3983, 0.3904

Complementary

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



81.9298, 0.2436, 0.3334



34.1205, 0.4790, 0.3256

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.



81.9298, 0.4058, 0.3562



81.9298, 0.2436, 0.3334



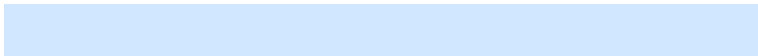
81.9298, 0.3448, 0.2854

Square

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



81.9298, 0.2436, 0.3334



81.9298, 0.2567, 0.2538



81.9298, 0.3858, 0.3188



81.9298, 0.3672, 0.4117

Rectangle

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



81.9298, 0.2436, 0.3334



81.9298, 0.2287, 0.2702



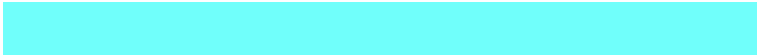
81.9298, 0.3858, 0.3188



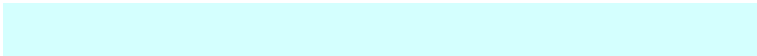
81.9298, 0.4038, 0.3799

Sweetspot

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



81.9329, 0.2436, 0.3334



92.6078, 0.2876, 0.3302



76.4582, 0.3064, 0.5093



19.6599, 0.2848, 0.3303



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.



81.9329, 0.2436, 0.3334



80.3300, 0.2361, 0.3344



46.7580, 0.2241, 0.2449



20.4723, 0.2984, 0.3296



40.9134, 0.2270, 0.3372



3.9862, 0.2267, 0.3362

Inverse Universe

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



34.1205, 0.4790, 0.3256



28.3434, 0.5311, 0.3257



54.5742, 0.4380, 0.3969



17.9952, 0.3290, 0.3284



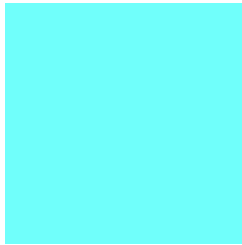
11.1204, 0.6373, 0.3284



1.0855, 0.6306, 0.3248

Previews

White Background



This preview shows how the Yxy color 81.9298, 0.2436, 0.3334 looks on a white background.

Color Contrast Check

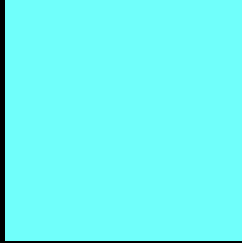
Large Text (above 18pt) WCAG AA × Fail

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 81.9298, 0.2436, 0.3334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

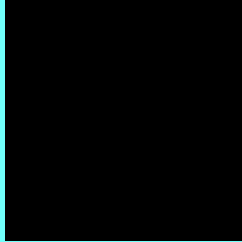
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

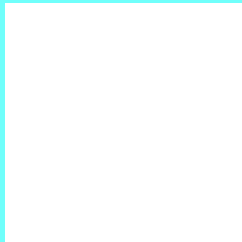
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.9298, 0.2436, 0.3334

Background



This preview shows how black text looks on a background with the Yxy color 81.9298, 0.2436, 0.3334.

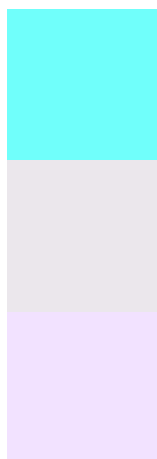


This preview shows how white text looks on a background with the Yxy color 81.9298, 0.2436, 0.3334.

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

81.9298, 0.2436, 0.3334

Protanopia

80.8701, 0.3123, 0.3239

Deuteranopia

80.4900, 0.3053, 0.3001



Tritanopia

81.1449, 0.2692, 0.3158

Trichromacy



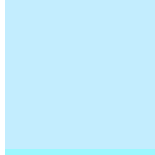
Original Color

81.9298, 0.2436, 0.3334



Protanomaly

79.6182, 0.2811, 0.3278



Deuteranomaly

79.3262, 0.2768, 0.3106



Tritanomaly

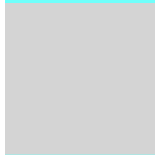
80.7452, 0.2579, 0.3210

Monochromacy



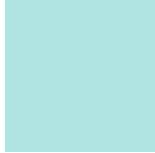
Original Color

81.9298, 0.2436, 0.3334



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.2079, 0.2801, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9298, 0.2436, 0.3334 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(112, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 251)  
}
```

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(112, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 251) }
```

Border

The CSS property to change the border of an element to Yxy 81.9298, 0.2436, 0.3334 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(112, 255, 251) }
```

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

```
.border{ border-color:rgb(112, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9298, 0.2436, 0.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 251) }
```

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

```
.background{ background-color: rgb(112,  
255, 251) }
```

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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