

Converting Colors

$Yxy(81.1935, 0.2489, 0.3485)$

Have a look what the booklet for
Yxy(81.1935, 0.2489, 0.3485)
contains.

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Color

Yxy(81.1378, 0.2489, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	70FFEE
RGB	112, 255, 238
RGB Percent	44%, 100%, 93%
CMY	0.5610, 0.0000, 0.0667
CMYK	0.56, 0.00, 0.07, 0.00
HSL	173°, 100%, 72%
HSV	173°, 56%, 100%
XYZ	57.8659, 81.1378, 93.4828
YIQ	210.3050, -79.7710, -35.6030

Conversions

Conversions Part 2

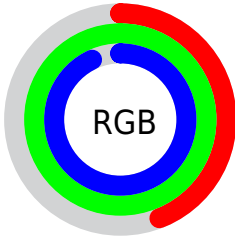
Format	Color
RYB	112, 188, 255
Decimal	7405550
CIELab	92.19, -42.58, -3.55
CIELCh	92, 42.725, 184.764
Yxy	81.1378, 0.2489, 0.3490
Android (android.graphics.Color)	4285595630 (0xFF70FEE)
YUV	210.3050, 13.6536, -86.2135
Hunter-Lab	90.0765, -42.9640, 1.5215

Details

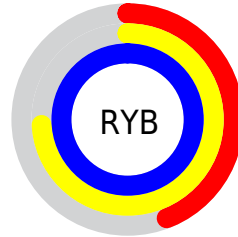
The Yxy color **81.1378, 0.2489, 0.3490** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.4192, 0.4630, 0.3126**, and the grayscale version is **64.5930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **44.1229, 0.2352, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **79.5144, 0.2426, 0.3531**, and if you desaturate by 10%, it is **83.2274, 0.2571, 0.3449**.

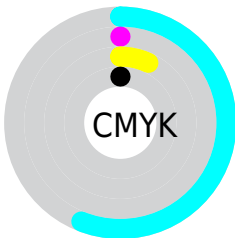
Distribution



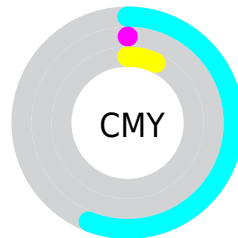
- Red (44%)
- Green (100%)
- Blue (93%)



- Red (44%)
- Yellow (74%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1378, 0.2489, 0.3490 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 81.1378, 0.2489, 0.3490 by changing the saturation by 10% instead.

 81.1378, 0.2489,
0.3490

 81.1378, 0.2489,
0.3490


498.7591, 0.2775,
0.3403


 60.6551, 0.2426,
0.3508


 134.9642, 0.2586,
0.3461

 43.9469, 0.2350,
0.3531


 169.0768, 0.2625,
0.3449

 30.6287, 0.2255,
0.3558


 208.5014, 0.2658,
0.3439

 20.3163, 0.2134,
0.3591

253.6224, 0.2687,
0.3430

 12.6252, 0.1976,
0.3633

304.8243, 0.2713,
0.3422

 7.1710, 0.1761,
0.3687

362.4915, 0.2736,


 3.5692, 0.1455,


0.3415


427.0082, 0.2756,
0.3409


0.3757


 1.4357, 0.0675,
0.3977


 0.2428, 0.0000,
0.3215


 81.1378, 0.2489,
0.3490


 81.1378, 0.2489,
0.3490


 79.5144, 0.2426,
0.3531

 83.2274, 0.2571,
0.3449


 78.3314, 0.2383,
0.3573

 85.8348, 0.2670,
0.3411


 77.5354, 0.2359,
0.3615

 88.9878, 0.2783,
0.3374

 77.0666, 0.2353,
0.3657

 92.7166, 0.2908,
0.3339

 76.9378, 0.2354,
0.3673

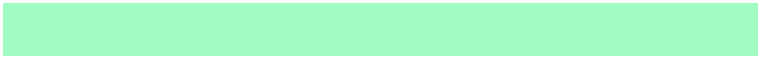
 97.0489, 0.3042,
0.3308

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.



81.1378, 0.2894, 0.3948



81.1378, 0.2489, 0.3490



81.1378, 0.2260, 0.3007

Triad

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



81.1378, 0.2489, 0.3490



81.1378, 0.2815, 0.2542



81.1378, 0.4087, 0.3833

Complementary

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



81.1378, 0.2489, 0.3490



34.4192, 0.4630, 0.3126

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.



81.1378, 0.4079, 0.3452



81.1378, 0.2489, 0.3490



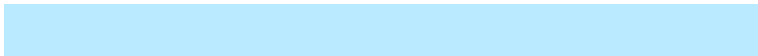
81.1378, 0.3309, 0.2742

Square

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



81.1378, 0.2489, 0.3490



81.1378, 0.2437, 0.2506



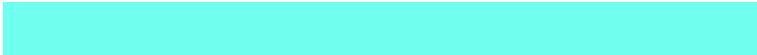
81.1378, 0.3786, 0.3065



81.1378, 0.3824, 0.4116

Rectangle

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



81.1378, 0.2489, 0.3490



81.1378, 0.2225, 0.2756



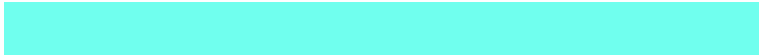
81.1378, 0.3786, 0.3065



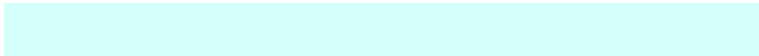
81.1378, 0.4117, 0.3712

Sweetspot

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



81.1327, 0.2489, 0.3490



92.3573, 0.2897, 0.3342



77.5151, 0.3134, 0.5056



19.6001, 0.2871, 0.3349



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.



81.1327, 0.2489, 0.3490



79.3910, 0.2421, 0.3535



53.1581, 0.2281, 0.2637



20.4421, 0.2996, 0.3318



40.2164, 0.2352, 0.3666



3.9258, 0.2339, 0.3618

Inverse Universe

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



34.4192, 0.4630, 0.3126



28.6332, 0.5111, 0.3117



49.1213, 0.4479, 0.3826



18.0222, 0.3276, 0.3262



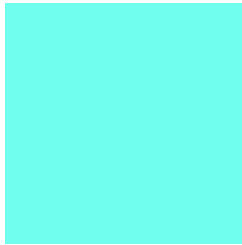
11.1697, 0.6257, 0.3221



1.0982, 0.6019, 0.3089

Previews

White Background



This preview shows how the Yxy color 81.1378, 0.2489, 0.3490 looks on a white background.

Color Contrast Check

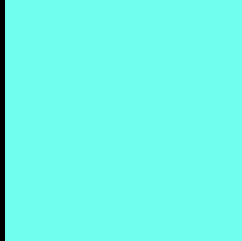
Large Text (above 18pt) WCAG AA × Fail

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 81.1378, 0.2489, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

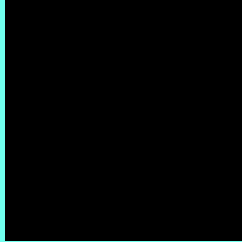
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

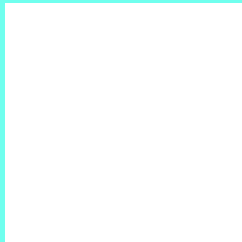
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.1378, 0.2489, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 81.1378, 0.2489, 0.3490.

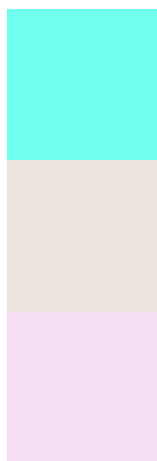


This preview shows how white text looks on a background with the Yxy color 81.1378, 0.2489, 0.3490.

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

81.1378, 0.2489, 0.3490

Protanopia

79.9800, 0.3214, 0.3352

Deuteranopia

79.6780, 0.3151, 0.3081



Tritanopia

80.1892, 0.2675, 0.3147

Trichromacy



Original Color

81.1378, 0.2489, 0.3490



Protanomaly

78.5966, 0.2888, 0.3401



Deuteranomaly

77.8332, 0.2849, 0.3213



Tritanomaly

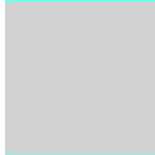
80.2311, 0.2592, 0.3266

Monochromacy



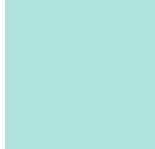
Original Color

81.1378, 0.2489, 0.3490



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.5587, 0.2822, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1378, 0.2489, 0.3490 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 81.1378, 0.2489, 0.3490 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, 238) }
```

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

```
.border{ border-color:rgb(112, 255, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1378, 0.2489, 0.3490 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, 238) }
```

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

```
.background{ background-color: rgb(112,  
255, 238) }
```

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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