

Converting Colors

$Y_{xy}(82.9670, 0.2309, 0.3363)$

Have a look what the booklet for
Yxy(82.9670, 0.2309, 0.3363)
contains.

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Color

Yxy(79.4880, 0.2292, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	37FFFE
RGB	55, 255, 254
RGB Percent	22%, 100%, 100%
CMY	0.7848, 0.0000, 0.0038
CMYK	0.78, 0.00, 0.00, 0.00
HSL	180°, 100%, 61%
HSV	180°, 78%, 100%
XYZ	55.2248, 79.4880, 106.2330
YIQ	195.0860, -118.8790, -42.7110

Conversions

Conversions Part 2

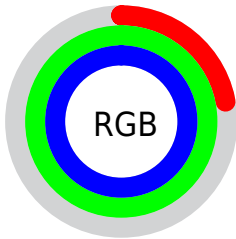
Format	Color
R _Y B	55, 155, 255
Decimal	3670014
CIE Lab	91.45, -45.94, -13.10
CIE LCh	91, 47.774, 195.912
Yxy	79.4880, 0.2292, 0.3299
Android (android.graphics.Color)	4281860094 (0xFF37FFFE)
YUV	195.0860, 29.0446, -122.8554
Hunter-Lab	89.1560, -45.4572, -8.2372

Details

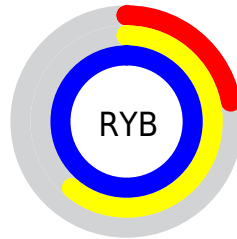
The Yxy color **79.4880, 0.2292, 0.3299** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.2650, 0.5877, 0.3293**, and the grayscale version is **54.4842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **43.9637, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **78.9375, 0.2264, 0.3300**, and if you desaturate by 10%, it is **80.4085, 0.2338, 0.3298**.

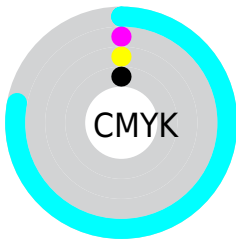
Distribution



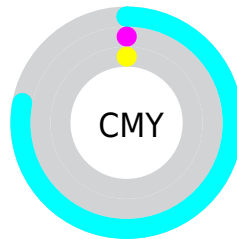
- Red (22%)
- Green (100%)
- Blue (100%)



- Red (22%)
- Yellow (61%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.4880, 0.2292, 0.3299 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 79.4880, 0.2292, 0.3299 by changing the saturation by 10% instead.

 79.4880, 0.2292,
0.3299

 79.4880, 0.2292,
0.3299


493.2057, 0.2661,
0.3307

 59.2971, 0.2212,
0.3295


 132.6456, 0.2416,
0.3304

 42.8523, 0.2116,
0.3288


 166.3812, 0.2466,
0.3305

 29.7693, 0.1998,
0.3277


 205.4004, 0.2509,
0.3306

 19.6635, 0.1850,
0.3260

 250.0878, 0.2547,
0.3306

 12.1507, 0.1660,
0.3232

300.8275, 0.2580,
0.3307

 6.8464, 0.1410,
0.3182


358.0042, 0.2610,


 3.3662, 0.1073,


0.3307


0.3084


422.0021, 0.2637,
0.3307


 1.3258, 0.0190,
0.3004


 0.1610, 0.0000,
0.1280


 79.4880, 0.2292,
0.3299


 79.4880, 0.2292,
0.3299

 78.9375, 0.2264,
0.3300


 80.4085, 0.2338,
0.3298

 78.6880, 0.2252,
0.3302

 81.7511, 0.2404,
0.3296

 78.6617, 0.2251,
0.3302

 83.5578, 0.2489,
0.3295

 85.8660, 0.2594,
0.3294

■ 88.7092, 0.2714,
0.3293

■ 92.1182, 0.2850,
0.3292

■ 96.1212, 0.2996,
0.3291

■ 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.



79.4880, 0.2676, 0.3862



79.4880, 0.2292, 0.3299



79.4880, 0.2128, 0.2799

Triad

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



79.4880, 0.2292, 0.3299



79.4880, 0.2971, 0.2523



79.4880, 0.4123, 0.4027

Complementary

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



79.4880, 0.2292, 0.3299



24.2650, 0.5877, 0.3293

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.



79.4880, 0.4241, 0.3624



79.4880, 0.2292, 0.3299



79.4880, 0.3542, 0.2799

Square

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



79.4880, 0.2292, 0.3299



79.4880, 0.2490, 0.2410



79.4880, 0.4025, 0.3189



79.4880, 0.3735, 0.4282

Rectangle

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



79.4880, 0.2292, 0.3299



79.4880, 0.2148, 0.2572



79.4880, 0.4025, 0.3189



79.4880, 0.4198, 0.3903

Sweetspot

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



79.4874, 0.2292, 0.3299



90.1641, 0.2773, 0.3292



72.7007, 0.3020, 0.5746



19.0491, 0.2726, 0.3292



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.



79.4874, 0.2292, 0.3299



78.7705, 0.2256, 0.3301



32.5768, 0.1948, 0.1990



20.4799, 0.2981, 0.3291



41.1031, 0.2251, 0.3302



4.0025, 0.2250, 0.3300

Inverse Universe

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



24.2650, 0.5877, 0.3293



21.6489, 0.6322, 0.3297



43.8632, 0.4998, 0.4129



17.9885, 0.3294, 0.3289



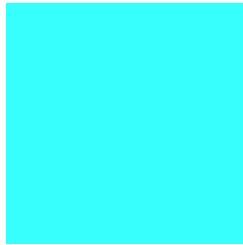
11.1108, 0.6396, 0.3297



1.0823, 0.6384, 0.3291

Previews

White Background



This preview shows how the Yxy color 79.4880, 0.2292, 0.3299 looks on a white background.

Color Contrast Check

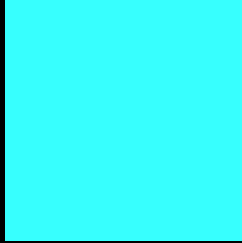
Large Text (above 18pt) WCAG AA × Fail

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 79.4880, 0.2292, 0.3299 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 79.4880, 0.2292, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 79.4880, 0.2292, 0.3299.

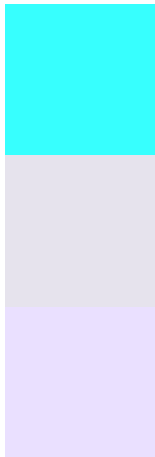


This preview shows how white text looks on a background with the Yxy color 79.4880, 0.2292, 0.3299.

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

79.4880, 0.2292, 0.3299

Protanopia

77.8756, 0.3084, 0.3186

Deuteranopia

78.0237, 0.2999, 0.2976



Tritanopia

78.4056, 0.2594, 0.3143

Trichromacy



Original Color

79.4880, 0.2292, 0.3299



Protanomaly

75.1464, 0.2665, 0.3220



Deuteranomaly

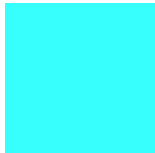
75.0717, 0.2618, 0.3065



Tritanomaly

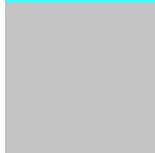
77.9525, 0.2438, 0.3195

Monochromacy



Original Color

79.4880, 0.2292, 0.3299



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

60.5129, 0.2657, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.4880, 0.2292, 0.3299 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(55, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(55, 255, 254)  
}
```

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(55, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 255, 254) }
```

Border

The CSS property to change the border of an element to Yxy 79.4880, 0.2292, 0.3299 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(55, 255, 254) }
```

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

```
.border{ border-color:rgb(55, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(55, 255,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 79.4880, 0.2292, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 255, 254) }
```

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

```
.background{ background-color: rgb(55, 255,  
254) }
```

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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