

Converting Colors

$Yxy(80.0416, 0.2342, 0.3335)$

Have a look what the booklet for
Yxy(80.0416, 0.2342, 0.3335)
contains.

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Color

Yxy(80.0628, 0.2343, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	4DFFFB
RGB	77, 255, 251
RGB Percent	30%, 100%, 98%
CMY	0.6970, 0.0000, 0.0157
CMYK	0.70, 0.00, 0.02, 0.00
HSL	179°, 100%, 65%
HSV	179°, 70%, 100%
XYZ	56.2480, 80.0628, 103.7575
YIQ	201.3220, -104.8040, -38.9800

Conversions

Conversions Part 2

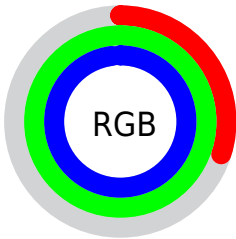
Format	Color
RYB	77, 167, 255
Decimal	5111803
CIELab	91.71, -44.50, -11.10
CIELCh	92, 45.859, 194.006
Yxy	80.0628, 0.2343, 0.3335
Android (android.graphics.Color)	4283301883 (0xFF4DFFFB)
YUV	201.3220, 24.4913, -109.0304
Hunter-Lab	89.4778, -44.3766, -6.1176

Details

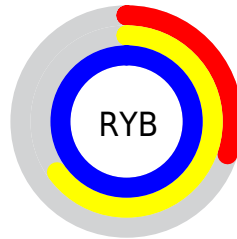
The Yxy color **80.0628, 0.2343, 0.3335** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.1988, 0.5451, 0.3266**, and the grayscale version is **58.5576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **44.3283, 0.2259, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **79.1650, 0.2300, 0.3342**, and if you desaturate by 10%, it is **81.3825, 0.2405, 0.3328**.

Distribution



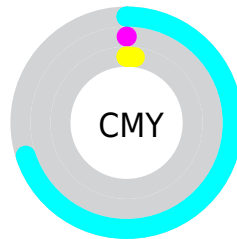
- Red (30%)
- Green (100%)
- Blue (98%)



- Red (30%)
- Yellow (65%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0628, 0.2343, 0.3335 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 80.0628, 0.2343, 0.3335 by changing the saturation by 10% instead.


 80.0628, 0.2343,
0.3335


 80.0628, 0.2343,
0.3335

495.1444, 0.2690,
0.3325

 59.7700, 0.2268,
0.3335

 133.4540, 0.2460,
0.3333


 43.2333, 0.2177,
0.3334


 167.3213, 0.2507,
0.3332

 30.0682, 0.2064,
0.3331


 206.4821, 0.2547,
0.3331

 19.8904, 0.1923,
0.3324

 251.3210, 0.2583,
0.3329

 12.3154, 0.1742,
0.3310

302.2223, 0.2614,
0.3328

 6.9588, 0.1500,
0.3280


359.5703, 0.2642,


 3.4364, 0.1170,


0.3327


0.3214


423.7496, 0.2668,
0.3326

 1.3636, 0.0341,
0.3180


 0.1896, 0.0000,
0.1618


 80.0628, 0.2343,
0.3335

 80.0628, 0.2343,
0.3335

 79.1650, 0.2300,
0.3342

 81.3825, 0.2405,
0.3328


 78.6286, 0.2276,
0.3350

 83.1585, 0.2487,
0.3321


 78.3747, 0.2266,
0.3357

 85.4317, 0.2588,
0.3314

 78.3687, 0.2266,
0.3357

 88.2360, 0.2705,
0.3307

 91.6024, 0.2837,
0.3301

 95.5596, 0.2980,
0.3295

99.9922, 0.3127,
0.3290

Harmonies

Analogous

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



80.0628, 0.2725, 0.3867



80.0628, 0.2343, 0.3335



80.0628, 0.2169, 0.2847

Triad

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



80.0628, 0.2343, 0.3335



80.0628, 0.2945, 0.2539



80.0628, 0.4099, 0.3979

Complementary

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



80.0628, 0.2343, 0.3335



27.1988, 0.5451, 0.3266

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.



80.0628, 0.4190, 0.3588



80.0628, 0.2343, 0.3335



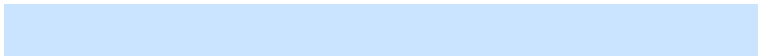
80.0628, 0.3491, 0.2798

Square

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



80.0628, 0.2343, 0.3335



80.0628, 0.2492, 0.2442



80.0628, 0.3963, 0.3169



80.0628, 0.3741, 0.4233

Rectangle

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



80.0628, 0.2343, 0.3335



80.0628, 0.2179, 0.2619



80.0628, 0.3963, 0.3169



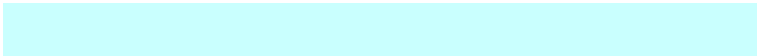
80.0628, 0.4164, 0.3858

Sweetspot

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



80.0658, 0.2343, 0.3335



91.1429, 0.2819, 0.3302



73.8987, 0.3042, 0.5524



19.3014, 0.2782, 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.



80.0658, 0.2343, 0.3335



78.9019, 0.2288, 0.3345



38.3300, 0.2059, 0.2199



20.4740, 0.2983, 0.3295



40.9570, 0.2266, 0.3356



3.9900, 0.2263, 0.3347

Inverse Universe

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



27.1988, 0.5451, 0.3266



23.0262, 0.6048, 0.3276



47.0070, 0.4781, 0.4072



17.9937, 0.3291, 0.3285



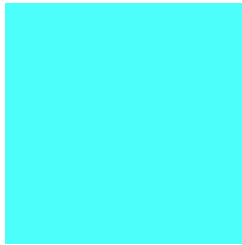
11.1182, 0.6378, 0.3287



1.0848, 0.6324, 0.3257

Previews

White Background



This preview shows how the Yxy color 80.0628, 0.2343, 0.3335 looks on a white background.

Color Contrast Check

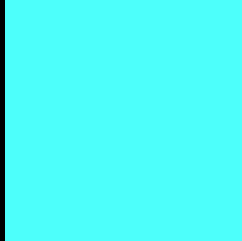
Large Text (above 18pt) WCAG AA × Fail

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 80.0628, 0.2343, 0.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

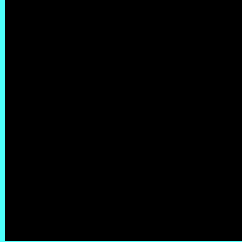
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.0628, 0.2343, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 80.0628, 0.2343, 0.3335.

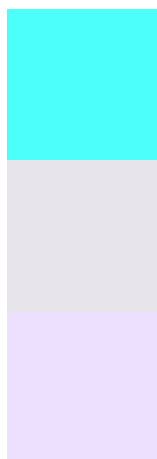


This preview shows how white text looks on a background with the Yxy color 80.0628, 0.2343, 0.3335.

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

80.0628, 0.2343, 0.3335

Protanopia

78.6408, 0.3110, 0.3217

Deuteranopia

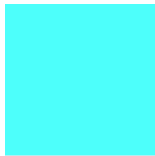
78.5358, 0.3019, 0.2978



Tritanopia

79.5367, 0.2620, 0.3156

Trichromacy



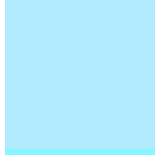
Original Color

80.0628, 0.2343, 0.3335



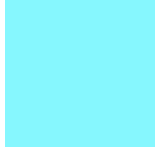
Protanomaly

76.7301, 0.2730, 0.3255



Deuteranomaly

76.1561, 0.2676, 0.3079



Tritanomaly

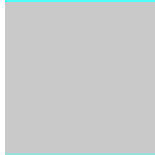
78.7456, 0.2484, 0.3208

Monochromacy



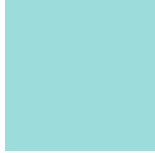
Original Color

80.0628, 0.2343, 0.3335



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.8953, 0.2715, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0628, 0.2343, 0.3335 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(77, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(77, 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(77, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 251) }
```

Border

The CSS property to change the border of an element to Yxy 80.0628, 0.2343, 0.3335 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(77, 255, 251) }
```

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

```
.border{ border-color:rgb(77, 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(77, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0628, 0.2343, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 251) }
```

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

```
.background{ background-color: rgb(77, 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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