

Converting Colors

$Y_{xy}(78.3999, 0.2295, 0.3353)$

Have a look what the booklet for
Yxy(78.3999, 0.2295, 0.3353)
contains.

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Color

Yxy(78.2811, 0.2293, 0.3348)

Conversions

Conversions Part 1

Format	Color
Hex	2DFEF9
RGB	45, 254, 249
RGB Percent	18%, 100%, 98%
CMY	0.8248, 0.0039, 0.0235
CMYK	0.82, 0.00, 0.02, 0.00
HSL	179°, 99%, 59%
HSV	179°, 82%, 100%
XYZ	53.6137, 78.2811, 101.9197
YIQ	190.9390, -122.9590, -45.8630

Conversions

Conversions Part 2

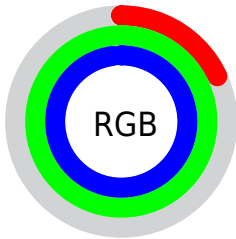
Format	Color
R _{YB}	45, 151, 254
Decimal	3014393
CIE Lab	90.91, -47.68, -11.32
CIE LCh	91, 49.009, 193.352
Yxy	78.2811, 0.2293, 0.3348
Android (android.graphics.Color)	4281204473 (0xFF2DFEF9)
YUV	190.9390, 28.6241, -127.9885
Hunter-Lab	88.4766, -46.6694, -6.3649

Details

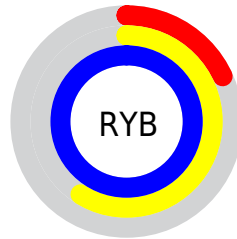
The Yxy color **78.2811, 0.2293, 0.3348** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.1531, 0.5990, 0.3273**, and the grayscale version is **51.8942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **43.3301, 0.2260, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **77.8369, 0.2273, 0.3356**, and if you desaturate by 10%, it is **79.0763, 0.2331, 0.3340**.

Distribution



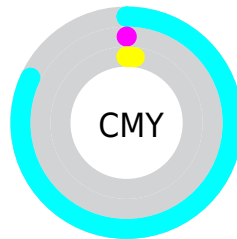
- Red (18%)
- Green (100%)
- Blue (98%)



- Red (18%)
- Yellow (59%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2811, 0.2293, 0.3348 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 78.2811, 0.2293, 0.3348 by changing the saturation by 10% instead.


 78.2811, 0.2293,
0.3348


 78.2811, 0.2293,
0.3348


489.1209, 0.2663,
0.3333


 58.3049, 0.2213,
0.3349

 130.9463, 0.2418,
0.3345

 42.0538, 0.2115,
0.3348

 164.4041, 0.2468,
0.3343

 29.1435, 0.1996,
0.3346


 203.1246, 0.2511,
0.3341

 19.1894, 0.1846,
0.3340


 247.4922, 0.2549,
0.3339

 11.8072, 0.1652,
0.3325

297.8912, 0.2582,
0.3338

 6.6125, 0.1396,
0.3293


354.7061, 0.2612,


 3.2210, 0.1051,


0.3336


418.3212, 0.2639,
0.3334


0.3220


 1.2482, 0.0000,
0.3230


 0.1005, 0.0000,
0.1004


 78.2811, 0.2293,
0.3348


 78.2811, 0.2293,
0.3348


 77.8369, 0.2273,
0.3356


 79.0763, 0.2331,
0.3340

 77.6671, 0.2267,
0.3362

 80.2680, 0.2387,
0.3332

 81.9038, 0.2464,
0.3325


 84.0226, 0.2560,
0.3317

 86.6590, 0.2673,
0.3310

 89.8443, 0.2801,
0.3303

 93.6077, 0.2941,
0.3297

 97.9758, 0.3090,
0.3291

 99.3390, 0.3131,
0.3286

Harmonies

Analogous

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



78.2811, 0.2703, 0.3926



78.2811, 0.2293, 0.3348



78.2811, 0.2105, 0.2819

Triad

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



78.2811, 0.2293, 0.3348



78.2811, 0.2918, 0.2485



78.2811, 0.4176, 0.4015

Complementary

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



78.2811, 0.2293, 0.3348



23.1531, 0.5990, 0.3273

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.



78.2811, 0.4270, 0.3593



78.2811, 0.2293, 0.3348



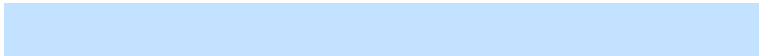
78.2811, 0.3504, 0.2756

Square

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



78.2811, 0.2293, 0.3348



78.2811, 0.2438, 0.2385



78.2811, 0.4019, 0.3147



78.2811, 0.3793, 0.4300

Rectangle

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



78.2811, 0.2293, 0.3348



78.2811, 0.2113, 0.2574



78.2811, 0.4019, 0.3147



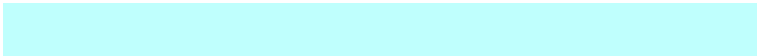
78.2811, 0.4244, 0.3883

Sweetspot

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



78.2840, 0.2293, 0.3348



89.7512, 0.2766, 0.3305



71.8007, 0.3022, 0.5816



18.9660, 0.2721, 0.3307



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.



78.2840, 0.2293, 0.3348



78.3744, 0.2268, 0.3361



31.5926, 0.1922, 0.1965



20.4735, 0.2983, 0.3295



40.9451, 0.2267, 0.3360



3.9890, 0.2264, 0.3351

Inverse Universe

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



23.1531, 0.5990, 0.3273



21.3341, 0.6372, 0.3291



40.7158, 0.5138, 0.4096



17.9941, 0.3291, 0.3285



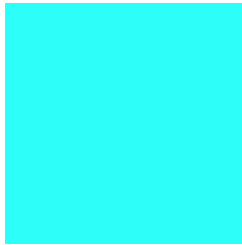
11.1188, 0.6377, 0.3286



1.0850, 0.6319, 0.3255

Previews

White Background



This preview shows how the Yxy color 78.2811, 0.2293, 0.3348 looks on a white background.

Color Contrast Check

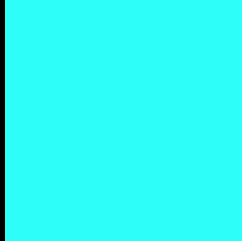
Large Text (above 18pt) WCAG AA × Fail

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 78.2811, 0.2293, 0.3348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

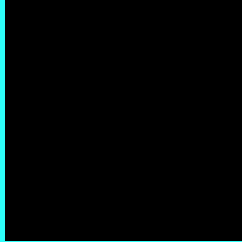
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

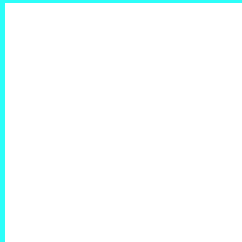
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2811, 0.2293, 0.3348

Background



This preview shows how black text looks on a background with the Yxy color 78.2811, 0.2293, 0.3348.

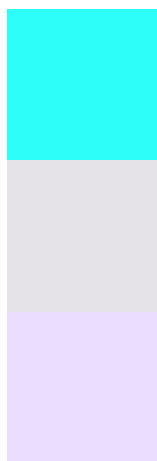


This preview shows how white text looks on a background with the Yxy color 78.2811, 0.2293, 0.3348.

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

78.2811, 0.2293, 0.3348

Protanopia

76.8769, 0.3109, 0.3227

Deuteranopia

76.5951, 0.3006, 0.2946



Tritanopia

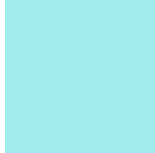
77.5943, 0.2556, 0.3142

Trichromacy



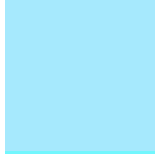
Original Color

78.2811, 0.2293, 0.3348



Protanomaly

73.8453, 0.2668, 0.3266



Deuteranomaly

73.4767, 0.2609, 0.3063



Tritanomaly

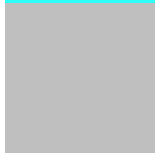
76.5808, 0.2412, 0.3206

Monochromacy



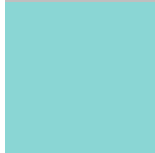
Original Color

78.2811, 0.2293, 0.3348



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

58.2499, 0.2641, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2811, 0.2293, 0.3348 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(45, 254, 249)` looks like.

```
.text, #text, p{  
    color:rgb(45, 254, 249)  
}
```

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(45, 254, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 254, 249) }
```

Border

The CSS property to change the border of an element to Yxy 78.2811, 0.2293, 0.3348 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(45, 254, 249) }
```

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

```
.border{ border-color:rgb(45, 254, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 254, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 254, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 254, 249);  
box-shadow:4px 4px 4px 4px rgb(45, 254,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2811, 0.2293, 0.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 254, 249) }
```

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

```
.background{ background-color: rgb(45, 254,  
249) }
```

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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