

Converting Colors

$Y_{xy}(78.9127, 0.2313, 0.3390)$

Have a look what the booklet for
Yxy(78.9127, 0.2313, 0.3390)
contains.

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Color

Yxy(78.9392, 0.2311, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	33FFF7
RGB	51, 255, 247
RGB Percent	20%, 100%, 97%
CMY	0.8009, 0.0000, 0.0312
CMYK	0.80, 0.00, 0.03, 0.00
HSL	178°, 100%, 60%
HSV	178°, 80%, 100%
XYZ	53.9091, 78.9392, 100.4235
YIQ	193.0920, -119.0160, -45.7360

Conversions

Conversions Part 2

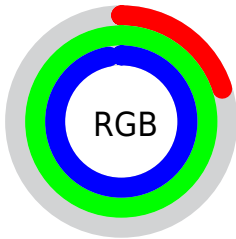
Format	Color
R _Y B	51, 155, 255
Decimal	3407863
CIE Lab	91.21, -48.21, -9.84
CIE LCh	91, 49.209, 191.536
Yxy	78.9392, 0.2311, 0.3384
Android (android.graphics.Color)	4281597943 (0xFF33FFF7)
YUV	193.0920, 26.5766, -124.6147
Hunter-Lab	88.8477, -47.1771, -4.8214

Details

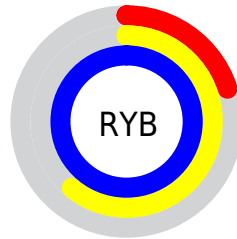
The Yxy color **78.9392, 0.2311, 0.3384** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.9197, 0.5873, 0.3252**, and the grayscale version is **53.2368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **43.6941, 0.2273, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **78.3868, 0.2288, 0.3397**, and if you desaturate by 10%, it is **79.8467, 0.2352, 0.3371**.

Distribution



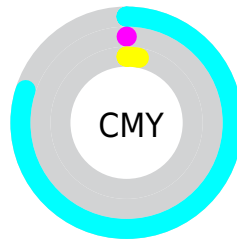
- Red (20%)
- Green (100%)
- Blue (97%)



- Red (20%)
- Yellow (61%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9392, 0.2311, 0.3384 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 78.9392, 0.2311, 0.3384 by changing the saturation by 10% instead.


 78.9392, 0.2311,
0.3384


 78.9392, 0.2311,
0.3384


491.3506, 0.2673,
0.3351


 58.8458, 0.2232,
0.3389

 131.8733, 0.2434,
0.3375


 42.4890, 0.2137,
0.3394


 165.4827, 0.2482,
0.3371

 29.4844, 0.2019,
0.3398


 204.3664, 0.2524,
0.3367

 19.4476, 0.1872,
0.3400

 248.9085, 0.2562,
0.3363

 11.9941, 0.1681,
0.3398

299.4937, 0.2594,
0.3360

 6.7397, 0.1429,
0.3383


356.5061, 0.2624,


 3.2998, 0.1085,


0.3357


0.3338


420.3303, 0.2650,
0.3354


 1.2902, 0.0006,
0.3413


 0.1336, 0.0000,
0.1381


 78.9392, 0.2311,
0.3384


 78.9392, 0.2311,
0.3384


 78.3868, 0.2288,
0.3397


 79.8467, 0.2352,
0.3371


 78.1165, 0.2280,
0.3409


 81.1722, 0.2412,
0.3358

 82.9557, 0.2493,
0.3345

 85.2352, 0.2591,
0.3333

 88.0448, 0.2706,
0.3321

 91.4158, 0.2836,
0.3310

 95.3766, 0.2977,
0.3300

99.9542, 0.3126,
0.3290

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.



78.9392, 0.2733, 0.3958



78.9392, 0.2311, 0.3384



78.9392, 0.2108, 0.2846

Triad

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



78.9392, 0.2311, 0.3384



78.9392, 0.2884, 0.2473



78.9392, 0.4192, 0.3993

Complementary

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



78.9392, 0.2311, 0.3384



23.9197, 0.5873, 0.3252

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.



78.9392, 0.4266, 0.3566



78.9392, 0.2311, 0.3384



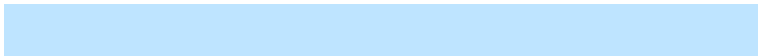
78.9392, 0.3469, 0.2735

Square

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



78.9392, 0.2311, 0.3384



78.9392, 0.2414, 0.2384



78.9392, 0.3995, 0.3121



78.9392, 0.3823, 0.4290

Rectangle

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



78.9392, 0.2311, 0.3384



78.9392, 0.2107, 0.2591



78.9392, 0.3995, 0.3121



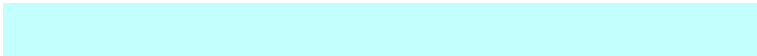
78.9392, 0.4254, 0.3858

Sweetspot

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



78.9356, 0.2311, 0.3384



90.0302, 0.2784, 0.3314



72.7482, 0.3034, 0.5767



19.0162, 0.2738, 0.3318



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.



78.9356, 0.2311, 0.3384



78.2066, 0.2283, 0.3404



34.1449, 0.1957, 0.2055



20.4685, 0.2985, 0.3299



40.8230, 0.2280, 0.3407



3.9785, 0.2276, 0.3393

Inverse Universe

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



23.9197, 0.5873, 0.3252



21.5310, 0.6320, 0.3281



41.0425, 0.5112, 0.4065



17.9985, 0.3288, 0.3281



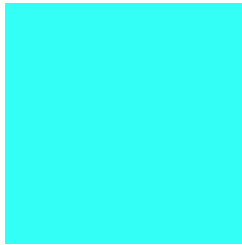
11.1251, 0.6361, 0.3278



1.0871, 0.6269, 0.3227

Previews

White Background



This preview shows how the Yxy color 78.9392, 0.2311, 0.3384 looks on a white background.

Color Contrast Check

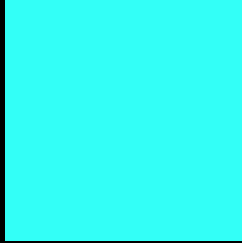
Large Text (above 18pt) WCAG AA × Fail

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 78.9392, 0.2311, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

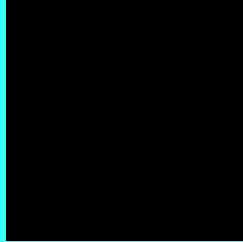
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

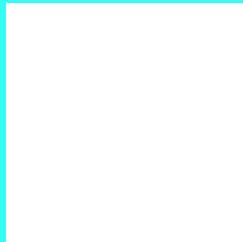
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.9392, 0.2311, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 78.9392, 0.2311, 0.3384.

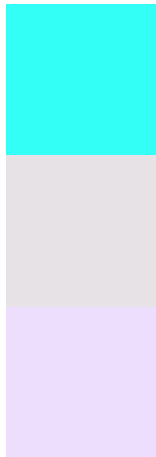


This preview shows how white text looks on a background with the Yxy color 78.9392, 0.2311, 0.3384.

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

78.9392, 0.2311, 0.3384

Protanopia

77.0948, 0.3136, 0.3248

Deuteranopia

77.4028, 0.3026, 0.2967



Tritanopia

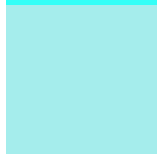
77.9934, 0.2575, 0.3142

Trichromacy



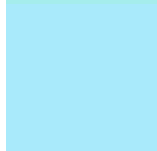
Original Color

78.9392, 0.2311, 0.3384



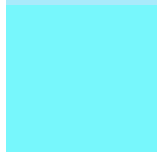
Protanomaly

74.6238, 0.2695, 0.3300



Deuteranomaly

74.2457, 0.2636, 0.3097



Tritanomaly

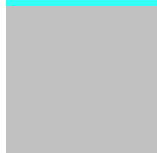
77.4717, 0.2436, 0.3230

Monochromacy



Original Color

78.9392, 0.2311, 0.3384



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.5785, 0.2655, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9392, 0.2311, 0.3384 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(51, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 247)  
}
```

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(51, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 78.9392, 0.2311, 0.3384 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(51, 255, 247) }
```

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

```
.border{ border-color:rgb(51, 255, 247) }
```

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

Here you see how a box with a 4 pixel rgb(51, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9392, 0.2311, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 247) }
```

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

```
.background{ background-color: rgb(51, 255,  
247) }
```

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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