

Converting Colors

$Y_{xy}(78.5199, 0.2337, 0.3470)$

Have a look what the booklet for
Yxy(78.5199, 0.2337, 0.3470)
contains.

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Color

Yxy(78.5151, 0.2337, 0.3471)

Conversions

Conversions Part 1

Format	Color
Hex	33FFF0
RGB	51, 255, 240
RGB Percent	20%, 100%, 94%
CMY	0.7991, 0.0000, 0.0587
CMYK	0.80, 0.00, 0.06, 0.00
HSL	176°, 100%, 60%
HSV	176°, 80%, 100%
XYZ	52.8637, 78.5151, 94.8243
YIQ	192.2940, -116.7690, -47.9130

Conversions

Conversions Part 2

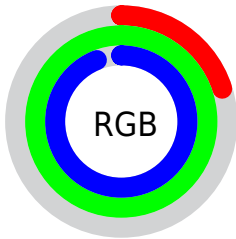
Format	Color
RYB	51, 157, 255
Decimal	3407856
CIELab	91.01, -50.08, -6.48
CIELCh	91, 50.497, 187.378
Yxy	78.5151, 0.2337, 0.3471
Android (android.graphics.Color)	4281597936 (0xFF33FFF0)
YUV	192.2940, 23.5191, -123.9148
Hunter-Lab	88.6087, -48.5728, -1.4229

Details

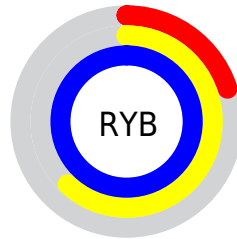
The Yxy color **78.5151, 0.2337, 0.3471** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.0411, 0.5790, 0.3206**, and the grayscale version is **52.8432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **43.3932, 0.2304, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **77.9137, 0.2317, 0.3496**, and if you desaturate by 10%, it is **79.4866, 0.2376, 0.3446**.

Distribution



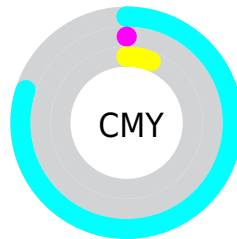
- Red (20%)
- Green (100%)
- Blue (94%)



- Red (20%)
- Yellow (62%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5151, 0.2337, 0.3471 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 78.5151, 0.2337, 0.3471 by changing the saturation by 10% instead.


 78.5151, 0.2337,
0.3471


 78.5151, 0.2337,
0.3471


489.9144, 0.2690,
0.3396


 58.4972, 0.2260,
0.3486


 131.2760, 0.2457,
0.3447


 42.2085, 0.2166,
0.3503

 164.7878, 0.2504,
0.3437

 29.2646, 0.2050,
0.3523


 203.5664, 0.2545,
0.3428

 19.2811, 0.1904,
0.3547

 247.9961, 0.2581,
0.3420

 11.8736, 0.1714,
0.3573

298.4614, 0.2613,
0.3413

 6.6576, 0.1460,
0.3601


355.3466, 0.2642,


 3.2489, 0.1111,


0.3407


0.3620


419.0361, 0.2667,
0.3401


 1.2630, 0.0000,
0.3832


 0.1123, 0.0000,
0.1632


 78.5151, 0.2337,
0.3471


 78.5151, 0.2337,
0.3471


 77.9137, 0.2317,
0.3496


 79.4866, 0.2376,
0.3446

 77.5896, 0.2311,
0.3521

 80.8711, 0.2435,
0.3421

 77.5872, 0.2311,
0.3521

 82.7150, 0.2513,
0.3396

 85.0565, 0.2609,
0.3372

87.9295, 0.2721,
0.3349

91.3652, 0.2847,
0.3328

95.3920, 0.2984,
0.3308

99.9959, 0.3127,
0.3290

Harmonies

Analogous

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



78.5151, 0.2795, 0.4048



78.5151, 0.2337, 0.3471



78.5151, 0.2097, 0.2898

Triad

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



78.5151, 0.2337, 0.3471



78.5151, 0.2800, 0.2428



78.5151, 0.4251, 0.3952

Complementary

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



78.5151, 0.2337, 0.3471



24.0411, 0.5790, 0.3206

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.



78.5151, 0.4280, 0.3506



78.5151, 0.2337, 0.3471



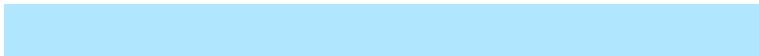
78.5151, 0.3393, 0.2675

Square

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



78.5151, 0.2337, 0.3471



78.5151, 0.2344, 0.2365



78.5151, 0.3956, 0.3055



78.5151, 0.3906, 0.4288

Rectangle

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



78.5151, 0.2337, 0.3471



78.5151, 0.2073, 0.2617



78.5151, 0.3956, 0.3055



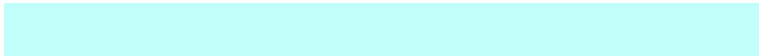
78.5151, 0.4301, 0.3810

Sweetspot

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



78.5181, 0.2337, 0.3471



89.8967, 0.2794, 0.3337



72.9929, 0.3053, 0.5750



18.9835, 0.2750, 0.3344



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.



78.5181, 0.2337, 0.3471



77.7013, 0.2312, 0.3511



36.7112, 0.1984, 0.2154



20.4571, 0.2990, 0.3307



40.5531, 0.2310, 0.3517



3.9551, 0.2302, 0.3488

Inverse Universe

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



24.0411, 0.5790, 0.3206



21.5661, 0.6277, 0.3257



39.1431, 0.5178, 0.4000



18.0087, 0.3283, 0.3273



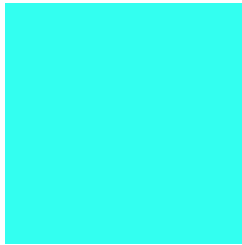
11.1406, 0.6325, 0.3258



1.0919, 0.6158, 0.3166

Previews

White Background



This preview shows how the Yxy color 78.5151, 0.2337, 0.3471 looks on a white background.

Color Contrast Check

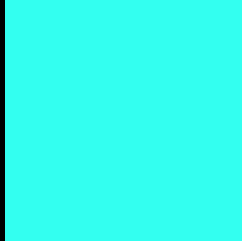
Large Text (above 18pt) WCAG AA × Fail

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 78.5151, 0.2337, 0.3471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

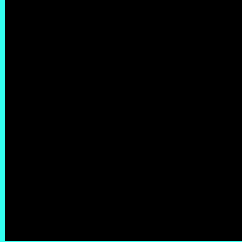
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5151, 0.2337, 0.3471

Background



This preview shows how black text looks on a background with the Yxy color 78.5151, 0.2337, 0.3471.

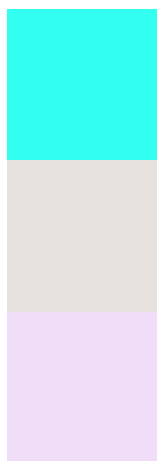


This preview shows how white text looks on a background with the Yxy color 78.5151, 0.2337, 0.3471.

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

78.5151, 0.2337, 0.3471

Protanopia

76.8762, 0.3189, 0.3322

Deuteranopia

77.0155, 0.3084, 0.3017



Tritanopia

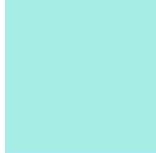
77.7922, 0.2565, 0.3142

Trichromacy



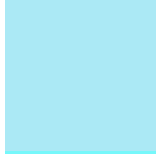
Original Color

78.5151, 0.2337, 0.3471



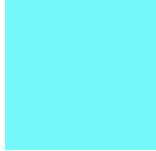
Protanomaly

74.3325, 0.2737, 0.3382



Deuteranomaly

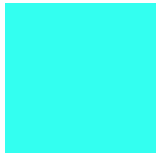
73.5283, 0.2676, 0.3153



Tritanomaly

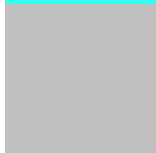
77.2752, 0.2441, 0.3253

Monochromacy



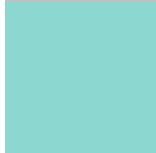
Original Color

78.5151, 0.2337, 0.3471



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.8670, 0.2676, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5151, 0.2337, 0.3471 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 240) }
```

Border

The CSS property to change the border of an element to Yxy 78.5151, 0.2337, 0.3471 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, 240) }
```

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

```
.border{ border-color:rgb(51, 255, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5151, 0.2337, 0.3471 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, 240) }
```

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

```
.background{ background-color: rgb(51, 255,  
240) }
```

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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