

Converting Colors

$Yxy(77.1850, 0.2336, 0.3301)$

Have a look what the booklet for
Yxy(77.1850, 0.2336, 0.3301)
contains.

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Color

Yxy(77.4117, 0.2338, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	4DFBF9
RGB	77, 251, 249
RGB Percent	30%, 98%, 98%
CMY	0.6986, 0.0156, 0.0236
CMYK	0.69, 0.00, 0.01, 0.02
HSL	179°, 96%, 64%
HSV	179°, 69%, 98%
XYZ	54.6463, 77.4117, 101.6730
YIQ	198.7460, -103.0620, -37.5100

Conversions

Conversions Part 2

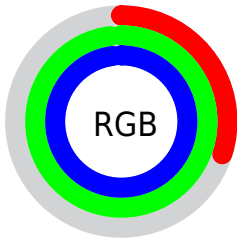
Format	Color
RYB	77, 165, 251
Decimal	5110777
CIELab	90.51, -43.34, -11.85
CIELCh	91, 44.926, 195.287
Yxy	77.4117, 0.2338, 0.3312
Android (android.graphics.Color)	4283300857 (0xFF4DFBF9)
YUV	198.7460, 24.7752, -106.7712
Hunter-Lab	87.9839, -43.1065, -6.9259

Details

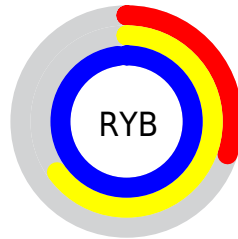
The Yxy color **77.4117, 0.2338, 0.3312** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.3641, 0.5456, 0.3281**, and the grayscale version is **56.8218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **42.4338, 0.2251, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **76.5480, 0.2294, 0.3316**, and if you desaturate by 10%, it is **78.6836, 0.2402, 0.3308**.

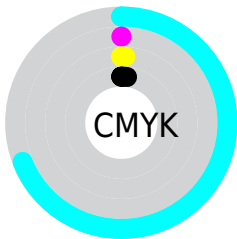
Distribution



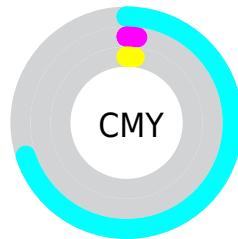
- Red (30%)
- Green (98%)
- Blue (98%)



- Red (30%)
- Yellow (65%)
- Blue (98%)



- Cyan (69%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4117, 0.2338, 0.3312 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 77.4117, 0.2338, 0.3312 by changing the saturation by 10% instead.


 77.4117, 0.2338,
0.3312

 77.4117, 0.2338,
0.3312

486.1666, 0.2689,
0.3312

 57.5908, 0.2261,
0.3310


 129.7205, 0.2457,
0.3314

 41.4798, 0.2169,
0.3305


 162.9772, 0.2504,
0.3314

 28.6942, 0.2054,
0.3298


 201.4813, 0.2545,
0.3314

 18.8496, 0.1910,
0.3286

 245.6172, 0.2581,
0.3314

 11.5616, 0.1723,
0.3263

295.7692, 0.2613,
0.3314

 6.4459, 0.1475,
0.3222

352.3219, 0.2641,

 3.1181, 0.1134,

0.3313

415.6596, 0.2667,
0.3313

0.3137

1.1937, 0.0125,
0.3111

0.0565, 0.0000,
0.0598

77.4117, 0.2338,
0.3312

77.4117, 0.2338,
0.3312

76.5480, 0.2294,
0.3316

78.6836, 0.2402,
0.3308

76.0344, 0.2268,
0.3319

80.3963, 0.2485,
0.3305

75.7979, 0.2257,
0.3323


82.5892, 0.2587,
0.3301

75.7867, 0.2257,
0.3323


85.2947, 0.2706,
0.3298

 88.5427, 0.2839,
0.3295

 92.3607, 0.2984,
0.3292

 96.7741, 0.3137,
0.3290

 97.2491, 0.3150,
0.3287

 97.2676, 0.3149,
0.3284

Harmonies

Analogous

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



77.4117, 0.2709, 0.3841



77.4117, 0.2338, 0.3312



77.4117, 0.2175, 0.2834

Triad

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



77.4117, 0.2338, 0.3312



77.4117, 0.2969, 0.2553



77.4117, 0.4080, 0.3988

Complementary

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



77.4117, 0.2338, 0.3312



26.3641, 0.5456, 0.3281

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.



77.4117, 0.4183, 0.3604



77.4117, 0.2338, 0.3312



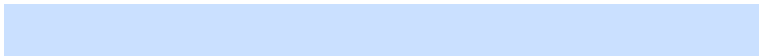
77.4117, 0.3510, 0.2816

Square

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



77.4117, 0.2338, 0.3312



77.4117, 0.2513, 0.2450



77.4117, 0.3971, 0.3187



77.4117, 0.3717, 0.4229

Rectangle

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



77.4117, 0.2338, 0.3312



77.4117, 0.2191, 0.2613



77.4117, 0.3971, 0.3187



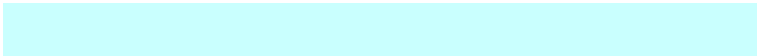
77.4117, 0.4148, 0.3870

Sweetspot

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



77.4146, 0.2338, 0.3312



91.1799, 0.2816, 0.3296



71.2330, 0.3032, 0.5520



19.3104, 0.2779, 0.3296



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.



77.4146, 0.2338, 0.3312



79.1035, 0.2282, 0.3317



36.1183, 0.2053, 0.2165



19.6049, 0.2982, 0.3292



39.8329, 0.2256, 0.3323



3.6903, 0.2255, 0.3318

Inverse Universe

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



26.3641, 0.5456, 0.3281



23.2091, 0.6034, 0.3287



46.5491, 0.4744, 0.4099



17.2285, 0.3292, 0.3288



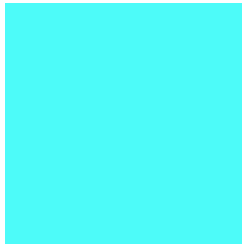
10.7853, 0.6389, 0.3293



1.0000, 0.6359, 0.3277

Previews

White Background



This preview shows how the Yxy color 77.4117, 0.2338, 0.3312 looks on a white background.

Color Contrast Check

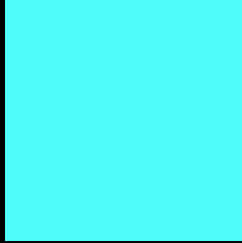
Large Text (above 18pt) WCAG AA × Fail

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 77.4117, 0.2338, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

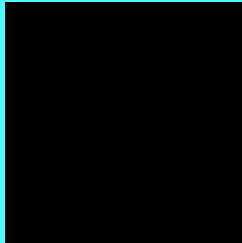
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.4117, 0.2338, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 77.4117, 0.2338, 0.3312.

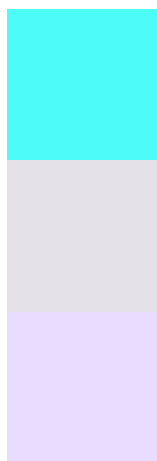


This preview shows how white text looks on a background with the Yxy color 77.4117, 0.2338, 0.3312.

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

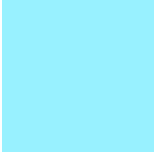
77.4117, 0.2338, 0.3312

Protanopia

76.2276, 0.3096, 0.3206

Deuteranopia

75.8988, 0.2999, 0.2935



Tritanopia

76.8060, 0.2545, 0.3130

Trichromacy



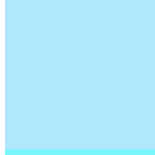
Original Color

77.4117, 0.2338, 0.3312



Protanomaly

73.9619, 0.2719, 0.3232



Deuteranomaly

73.5908, 0.2665, 0.3044



Tritanomaly

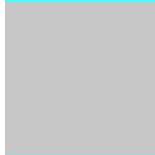
76.7566, 0.2449, 0.3195

Monochromacy



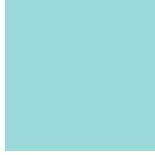
Original Color

77.4117, 0.2338, 0.3312



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.1211, 0.2716, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4117, 0.2338, 0.3312 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, 251, 249)` looks like.

```
.text, #text, p{  
    color:rgb(77, 251, 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(77, 251, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 251, 249) }
```

Border

The CSS property to change the border of an element to Yxy 77.4117, 0.2338, 0.3312 is called "border". The border property can be set on classes, ids or directly on the HTML element.

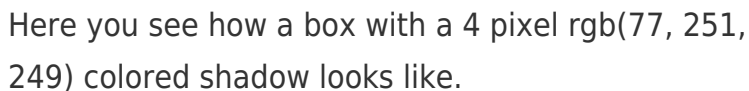
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(77, 251, 249) }
```

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

```
.border{ border-color:rgb(77, 251, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(77, 251, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 251, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 251, 249); box-shadow:4px 4px 4px 4px rgb(77, 251, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4117, 0.2338, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 251, 249) }
```

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

```
.background{ background-color: rgb(77, 251,  
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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