

Converting Colors

$Y_{xy}(77.5219, 0.2441, 0.3769)$

Have a look what the booklet for
Yxy(77.5219, 0.2441, 0.3769)
contains.

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Color

Yxy(77.5219, 0.2441, 0.3769)

Conversions

Conversions Part 1

Format	Color
Hex	3DFFD9
RGB	61, 255, 217
RGB Percent	24%, 100%, 85%
CMY	0.7608, 0.0000, 0.1491
CMYK	0.76, 0.00, 0.15, 0.00
HSL	168°, 100%, 62%
HSV	168°, 76%, 100%
XYZ	50.2072, 77.5219, 77.9538
YIQ	192.6620, -103.4260, -52.9460

Conversions

Conversions Part 2

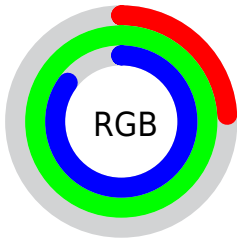
Format	Color
RYB	61, 169, 255
Decimal	4063193
CIELab	90.56, -55.13, 4.81
CIELCh	91, 55.341, 175.016
Yxy	77.5219, 0.2441, 0.3769
Android (android.graphics.Color)	4282253273 (0xFF3DFFD9)
YUV	192.6620, 11.9986, -115.4676
Hunter-Lab	88.0465, -52.2945, 9.1389




Details

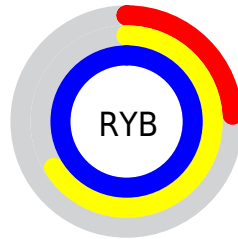
The Yxy color **77.5219, 0.2441, 0.3769** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **25.4990, 0.5313, 0.3000**, and the grayscale version is **53.0929, 0.3127, 0.3290**.




A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **42.5411, 0.2407, 0.3866** is the 20% darker color. If you saturate the color by 10%, you get **76.6393, 0.2423, 0.3841**, and if you desaturate by 10%, it is **78.7956, 0.2478, 0.3697**.

Distribution







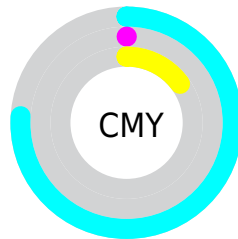
-  Red (24%)
-  Green (100%)
-  Blue (85%)






-  Red (24%)
-  Yellow (66%)
-  Blue (100%)



-  Cyan (76%)
-  Magenta (0%)
-  Yellow (15%)
-  Black (0%)





-  Cyan (76%)
-  Magenta (0%)
-  Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5219, 0.2441, 0.3769 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 77.5219, 0.2441, 0.3769 by changing the saturation by 10% instead.


 77.5219, 0.2441,
0.3769

 77.5219, 0.2441,
0.3769


486.5416, 0.2754,
0.3546


 57.6813, 0.2371,
0.3820


 129.8759, 0.2549,
0.3692


 41.5525, 0.2285,
0.3883

 163.1582, 0.2591,
0.3662

 28.7511, 0.2177,
0.3963


 201.6898, 0.2627,
0.3636

 18.8926, 0.2038,
0.4067

 245.8551, 0.2659,
0.3613

 11.5927, 0.1854,
0.4209

296.0385, 0.2687,
0.3593

 6.4670, 0.1599,
0.4410

352.6245, 0.2712,

 3.1311, 0.1232,

0.3576

415.9974, 0.2735,
0.3560

0.4718

1.2005, 0.0000,
0.5617

0.0621, 0.0000,
1.0000

77.5219, 0.2441,
0.3769

77.5219, 0.2441,
0.3769

76.6393, 0.2423,
0.3841

78.7956, 0.2478,
0.3697

76.0894, 0.2424,
0.3913

80.5100, 0.2536,
0.3626

75.9295, 0.2428,
0.3941

82.7060, 0.2611,
0.3557

85.4198, 0.2704,
0.3491

 88.6845, 0.2809,
0.3429

 92.5300, 0.2925,
0.3372

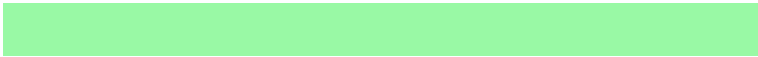
 96.9844, 0.3049,
0.3320

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.



77.5219, 0.3009, 0.4325



77.5219, 0.2441, 0.3769



77.5219, 0.2079, 0.3094

Triad

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



77.5219, 0.2441, 0.3769



77.5219, 0.2537, 0.2299



77.5219, 0.4421, 0.3807

Complementary

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



77.5219, 0.2441, 0.3769



25.4990, 0.5313, 0.3000

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.



77.5219, 0.4294, 0.3311



77.5219, 0.2441, 0.3769



77.5219, 0.3139, 0.2490

Square

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



77.5219, 0.2441, 0.3769



77.5219, 0.2135, 0.2318



77.5219, 0.3803, 0.2847



77.5219, 0.4166, 0.4248

Rectangle

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



77.5219, 0.2441, 0.3769



77.5219, 0.1982, 0.2724



77.5219, 0.3803, 0.2847



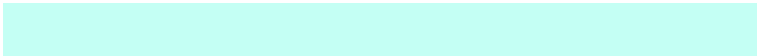
77.5219, 0.4424, 0.3643

Sweetspot

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



77.5214, 0.2441, 0.3769



89.8046, 0.2844, 0.3411



74.5551, 0.3146, 0.5606



18.9416, 0.2803, 0.3433



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.



77.5214, 0.2441, 0.3769



76.3315, 0.2422, 0.3877



48.0544, 0.2103, 0.2533



20.4168, 0.3006, 0.3337



39.6964, 0.2425, 0.3929



3.8800, 0.2402, 0.3847

Inverse Universe

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



25.4990, 0.5313, 0.3000



22.2933, 0.5877, 0.3075



34.8388, 0.5287, 0.3782



18.0452, 0.3263, 0.3244



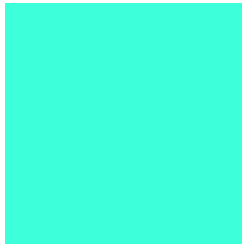
11.2454, 0.6090, 0.3129



1.1094, 0.5795, 0.2966

Previews

White Background



This preview shows how the Yxy color 77.5219, 0.2441, 0.3769 looks on a white background.

Color Contrast Check

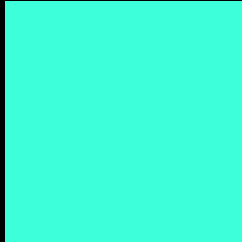
Large Text (above 18pt) WCAG AA × Fail

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 77.5219, 0.2441, 0.3769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

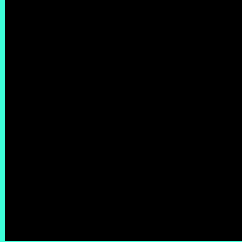
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.5219, 0.2441, 0.3769

Background



This preview shows how black text looks on a background with the Yxy color 77.5219, 0.2441, 0.3769.

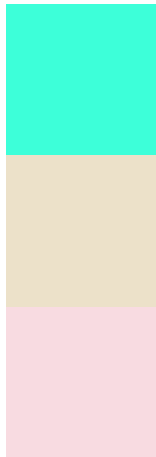


This preview shows how white text looks on a background with the Yxy color 77.5219, 0.2441, 0.3769.

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

77.5219, 0.2441, 0.3769

Protanopia

75.9003, 0.3366, 0.3546

Deuteranopia

76.0557, 0.3296, 0.3229



Tritanopia

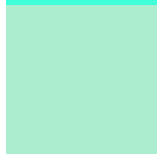
76.8060, 0.2545, 0.3130

Trichromacy



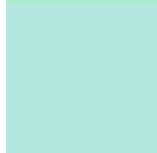
Original Color

77.5219, 0.2441, 0.3769



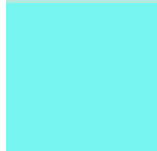
Protanomaly

73.2666, 0.2890, 0.3634



Deuteranomaly

72.6905, 0.2851, 0.3405



Tritanomaly

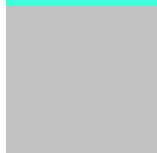
76.1843, 0.2480, 0.3348

Monochromacy



Original Color

77.5219, 0.2441, 0.3769



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.3957, 0.2740, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5219, 0.2441, 0.3769 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(61, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(61, 255, 217)  
}
```

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(61, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 77.5219, 0.2441, 0.3769 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(61, 255, 217) }
```

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

```
.border{ border-color:rgb(61, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(61, 255,  
217) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.5219, 0.2441, 0.3769$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 255, 217) }
```

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

```
.background{ background-color: rgb(61, 255,  
217) }
```

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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