

Converting Colors

$Y_{xy}(77.6056, 0.2397, 0.3678)$

Have a look what the booklet for
Yxy(77.6056, 0.2397, 0.3678)
contains.

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Color

Yxy(77.6056, 0.2397, 0.3678)

Conversions

Conversions Part 1

Format	Color
Hex	33FFE0
RGB	51, 255, 224
RGB Percent	20%, 100%, 88%
CMY	0.8000, 0.0000, 0.1217
CMYK	0.80, 0.00, 0.12, 0.00
HSL	171°, 100%, 60%
HSV	171°, 80%, 100%
XYZ	50.5766, 77.6056, 82.8173
YIQ	190.4700, -111.6330, -52.8890

Conversions

Conversions Part 2

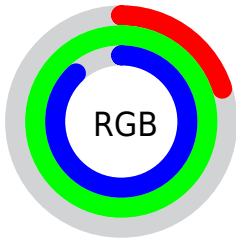
Format	Color
RYB	51, 161, 255
Decimal	3407840
CIELab	90.60, -54.31, 1.23
CIELCh	91, 54.322, 178.705
Yxy	77.6056, 0.2397, 0.3678
Android (android.graphics.Color)	4281597920 (0xFF33FFE0)
YUV	190.4700, 16.5303, -122.3152
Hunter-Lab	88.0940, -51.6841, 5.9272

Details

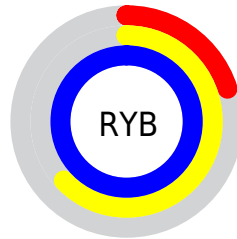
The Yxy color **77.6056, 0.2397, 0.3678** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.2371, 0.5596, 0.3086**, and the grayscale version is **51.7267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **42.7971, 0.2374, 0.3745** is the 20% darker color. If you saturate the color by 10%, you get **76.9057, 0.2383, 0.3732**, and if you desaturate by 10%, it is **78.6704, 0.2430, 0.3623**.

Distribution



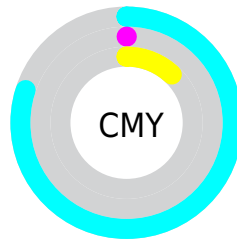
- Red (20%)
- Green (100%)
- Blue (88%)



- Red (20%)
- Yellow (63%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6056, 0.2397, 0.3678 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 77.6056, 0.2397, 0.3678 by changing the saturation by 10% instead.

 77.6056, 0.2397,
0.3678

 77.6056, 0.2397,
0.3678

486.8264, 0.2728,
0.3501

 57.7500, 0.2323,
0.3718


 129.9940, 0.2510,
0.3617

 41.6077, 0.2233,
0.3766


 163.2956, 0.2555,
0.3593

 28.7943, 0.2121,
0.3827


 201.8481, 0.2593,
0.3573

 18.9252, 0.1978,
0.3905

 246.0357, 0.2627,
0.3555

 11.6163, 0.1790,
0.4008

296.2430, 0.2657,
0.3539

 6.4830, 0.1533,
0.4151


352.8543, 0.2683,


 3.1409, 0.1168,


0.3525

0.4358


416.2539, 0.2707,
0.3512


 1.2057, 0.0000,
0.4991


 0.0664, 0.0000,
1.0000


 77.6056, 0.2397,
0.3678


 77.6056, 0.2397,
0.3678


 76.9057, 0.2383,
0.3732

 78.6704, 0.2430,
0.3623

 76.4894, 0.2385,
0.3786


 80.1558, 0.2483,
0.3569

 82.1040, 0.2555,
0.3516

 84.5532, 0.2645,
0.3464

 87.5374, 0.2750,
0.3416

 91.0878, 0.2867,
0.3370

 95.2330, 0.2994,
0.3328

99.9999, 0.3127,
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.



77.6056, 0.2937, 0.4254



77.6056, 0.2397, 0.3678



77.6056, 0.2070, 0.3025

Triad

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



77.6056, 0.2397, 0.3678



77.6056, 0.2611, 0.2328



77.6056, 0.4386, 0.3859

Complementary

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



77.6056, 0.2397, 0.3678



24.2371, 0.5596, 0.3086

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.



77.6056, 0.4309, 0.3372



77.6056, 0.2397, 0.3678



77.6056, 0.3220, 0.2538

Square

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



77.6056, 0.2397, 0.3678



77.6056, 0.2188, 0.2320



77.6056, 0.3863, 0.2907



77.6056, 0.4097, 0.4276

Rectangle

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



77.6056, 0.2397, 0.3678



77.6056, 0.1996, 0.2679



77.6056, 0.3863, 0.2907



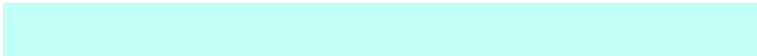
77.6056, 0.4405, 0.3699

Sweetspot

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



77.6044, 0.2397, 0.3678



89.5979, 0.2819, 0.3388



73.6903, 0.3108, 0.5711



18.9104, 0.2777, 0.3404



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.



77.6044, 0.2397, 0.3678



76.6359, 0.2383, 0.3765



43.4644, 0.2047, 0.2392



20.4312, 0.3000, 0.3326



39.9853, 0.2383, 0.3777



3.9055, 0.2365, 0.3715

Inverse Universe

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



24.2371, 0.5596, 0.3086



21.6901, 0.6133, 0.3177



34.6926, 0.5358, 0.3838



18.0321, 0.3270, 0.3254



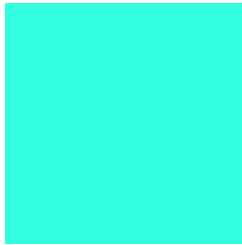
11.1979, 0.6194, 0.3186



1.1029, 0.5923, 0.3037

Previews

White Background



This preview shows how the Yxy color 77.6056, 0.2397, 0.3678 looks on a white background.

Color Contrast Check

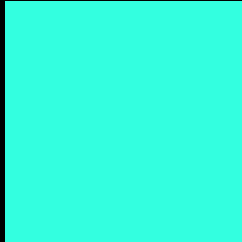
Large Text (above 18pt) WCAG AA × Fail

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 77.6056, 0.2397, 0.3678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

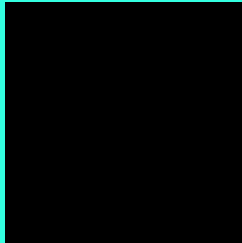
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6056, 0.2397, 0.3678

Background



This preview shows how black text looks on a background with the Yxy color 77.6056, 0.2397, 0.3678.



This preview shows how white text looks on a background with the Yxy color 77.6056, 0.2397, 0.3678.

Color Blindness Simulation

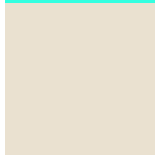
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



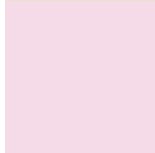
Original Color

77.6056, 0.2397, 0.3678



Protanopia

75.8969, 0.3304, 0.3471



Deuteranopia

75.9017, 0.3227, 0.3158



Tritanopia

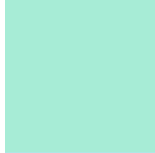
76.8060, 0.2545, 0.3130

Trichromacy



Original Color

77.6056, 0.2397, 0.3678



Protanomaly

73.0614, 0.2822, 0.3550



Deuteranomaly

72.3690, 0.2777, 0.3324



Tritanomaly

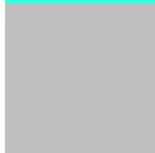
76.0880, 0.2453, 0.3312

Monochromacy



Original Color

77.6056, 0.2397, 0.3678



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.8464, 0.2702, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6056, 0.2397, 0.3678 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 77.6056, 0.2397, 0.3678 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, 224) }
```

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

```
.border{ border-color:rgb(51, 255, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6056, 0.2397, 0.3678 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, 224) }
```

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

```
.background{ background-color: rgb(51, 255,  
224) }
```

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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