

Converting Colors

$Yxy(77.4443, 0.2408, 0.3717)$

Have a look what the booklet for
Yxy(77.4443, 0.2408, 0.3717)
contains.

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Color

Yxy(77.4443, 0.2408, 0.3717)

Conversions

Conversions Part 1

Format	Color
Hex	33FFDD
RGB	51, 255, 221
RGB Percent	20%, 100%, 87%
CMY	0.8009, 0.0000, 0.1332
CMYK	0.80, 0.00, 0.13, 0.00
HSL	170°, 100%, 60%
HSV	170°, 80%, 100%
XYZ	50.1711, 77.4443, 80.7363
YIQ	190.1280, -110.6700, -53.8220

Conversions

Conversions Part 2

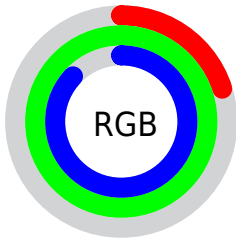
Format	Color
RYB	51, 162, 255
Decimal	3407837
CIELab	90.53, -55.08, 2.64
CIELCh	91, 55.139, 177.253
Yxy	77.4443, 0.2408, 0.3717
Android (android.graphics.Color)	4281597917 (0xFF33FFDD)
YUV	190.1280, 15.2199, -122.0153
Hunter-Lab	88.0024, -52.2396, 7.2072

Details

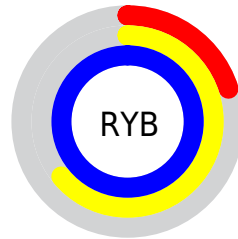
The Yxy color **77.4443, 0.2408, 0.3717** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.2588, 0.5561, 0.3063**, and the grayscale version is **51.4881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **42.6857, 0.2388, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **76.7293, 0.2396, 0.3777**, and if you desaturate by 10%, it is **78.5189, 0.2440, 0.3657**.

Distribution



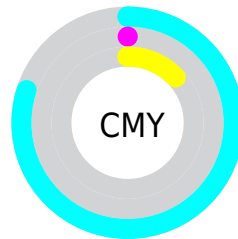
- Red (20%)
- Green (100%)
- Blue (87%)



- Red (20%)
- Yellow (64%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4443, 0.2408, 0.3717 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 77.4443, 0.2408, 0.3717 by changing the saturation by 10% instead.


 77.4443, 0.2408,
0.3717

 77.4443, 0.2408,
0.3717


486.2775, 0.2735,
0.3521

 57.6176, 0.2335,
0.3761


 129.7665, 0.2520,
0.3649

 41.5013, 0.2246,
0.3816


 163.0307, 0.2564,
0.3623

 28.7110, 0.2134,
0.3885


 201.5430, 0.2602,
0.3600

 18.8623, 0.1992,
0.3974

 245.6876, 0.2636,
0.3580

 11.5708, 0.1803,
0.4093

295.8489, 0.2665,
0.3562

 6.4522, 0.1545,
0.4260


352.4114, 0.2691,


 3.1219, 0.1177,


0.3547


415.7595, 0.2714,
0.3533

0.4507


 1.1957, 0.0000,
0.5233


 0.0582, 0.0000,
1.0000


 77.4443, 0.2408,
0.3717


 77.4443, 0.2408,
0.3717


 76.7293, 0.2396,
0.3777

 78.5189, 0.2440,
0.3657

 76.3037, 0.2399,
0.3836


 80.0173, 0.2491,
0.3597

 81.9791, 0.2562,
0.3538

 84.4425, 0.2651,
0.3482

 87.4417, 0.2754,
0.3428

 91.0076, 0.2870,
0.3378

 95.1692, 0.2995,
0.3332

99.9530, 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.



77.4443, 0.2963, 0.4291



77.4443, 0.2408, 0.3717



77.4443, 0.2065, 0.3049

Triad

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



77.4443, 0.2408, 0.3717



77.4443, 0.2577, 0.2309



77.4443, 0.4411, 0.3842

Complementary

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



77.4443, 0.2408, 0.3717



24.2588, 0.5561, 0.3063

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.



77.4443, 0.4313, 0.3348



77.4443, 0.2408, 0.3717



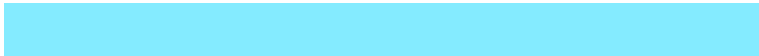
77.4443, 0.3188, 0.2513

Square

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



77.4443, 0.2408, 0.3717



77.4443, 0.2160, 0.2312



77.4443, 0.3846, 0.2880



77.4443, 0.4131, 0.4272

Rectangle

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



77.4443, 0.2408, 0.3717



77.4443, 0.1982, 0.2691



77.4443, 0.3846, 0.2880



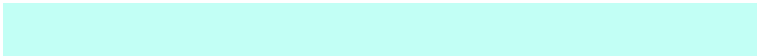
77.4443, 0.4423, 0.3679

Sweetspot

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



77.4403, 0.2408, 0.3717



89.5447, 0.2823, 0.3397



73.6791, 0.3108, 0.5713



18.8974, 0.2782, 0.3415



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.



77.4403, 0.2408, 0.3717



76.4559, 0.2396, 0.3812



43.4252, 0.2046, 0.2391



20.4265, 0.3002, 0.3330



39.8895, 0.2396, 0.3826



3.8971, 0.2377, 0.3758

Inverse Universe

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



24.2588, 0.5561, 0.3063



21.7196, 0.6100, 0.3158



34.6534, 0.5361, 0.3837



18.0363, 0.3268, 0.3251



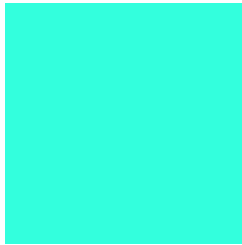
11.2120, 0.6163, 0.3168



1.1049, 0.5883, 0.3014

Previews

White Background



This preview shows how the Yxy color 77.4443, 0.2408, 0.3717 looks on a white background.

Color Contrast Check

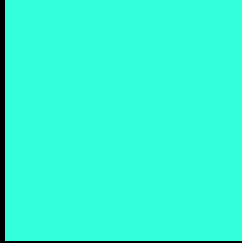
Large Text (above 18pt) WCAG AA × Fail

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 77.4443, 0.2408, 0.3717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

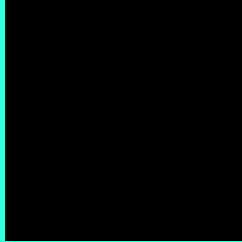
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.4443, 0.2408, 0.3717

Background



This preview shows how black text looks on a background with the Yxy color 77.4443, 0.2408, 0.3717.

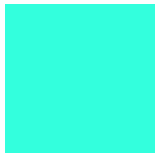


This preview shows how white text looks on a background with the Yxy color 77.4443, 0.2408, 0.3717.

Color Blindness Simulation

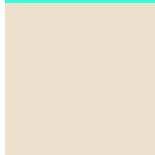
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



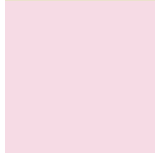
Original Color

77.4443, 0.2408, 0.3717



Protanopia

75.9204, 0.3332, 0.3503



Deuteranopia

75.9130, 0.3254, 0.3188



Tritanopia

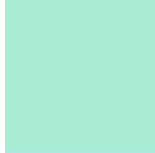
76.7099, 0.2540, 0.3130

Trichromacy



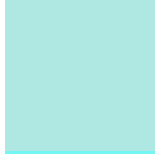
Original Color

77.4443, 0.2408, 0.3717



Protanomaly

73.0189, 0.2844, 0.3587



Deuteranomaly

72.3182, 0.2799, 0.3359



Tritanomaly

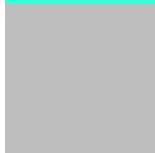
76.0274, 0.2457, 0.3324

Monochromacy



Original Color

77.4443, 0.2408, 0.3717



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.7991, 0.2708, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4443, 0.2408, 0.3717 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 221) }
```

Border

The CSS property to change the border of an element to Yxy 77.4443, 0.2408, 0.3717 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, 221) }
```

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

```
.border{ border-color:rgb(51, 255, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4443, 0.2408, 0.3717 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, 221) }
```

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

```
.background{ background-color: rgb(51, 255,  
221) }
```

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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