

Converting Colors

$Y_{xy}(77.3721, 0.2414, 0.3735)$

Have a look what the booklet for
Yxy(77.3721, 0.2414, 0.3735)
contains.

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Color

Yxy(77.3911, 0.2412, 0.3731)

Conversions

Conversions Part 1

Format	Color
Hex	33FFDC
RGB	51, 255, 220
RGB Percent	20%, 100%, 86%
CMY	0.8011, 0.0000, 0.1373
CMYK	0.80, 0.00, 0.14, 0.00
HSL	170°, 100%, 60%
HSV	170°, 80%, 100%
XYZ	50.0314, 77.3911, 80.0047
YIQ	190.0140, -110.3490, -54.1330

Conversions

Conversions Part 2

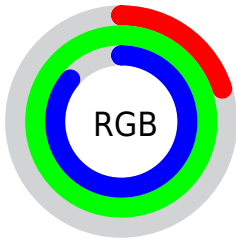
Format	Color
RYB	51, 163, 255
Decimal	3407836
CIELab	90.50, -55.35, 3.15
CIELCh	91, 55.435, 176.744
Yxy	77.3911, 0.2412, 0.3731
Android (android.graphics.Color)	4281597916 (0xFF33FFDC)
YUV	190.0140, 14.7831, -121.9153
Hunter-Lab	87.9722, -52.4351, 7.6604

Details

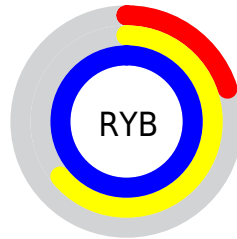
The Yxy color **77.3911, 0.2412, 0.3731** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.2704, 0.5548, 0.3055**, and the grayscale version is **51.4096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **42.6491, 0.2393, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **76.6678, 0.2400, 0.3793**, and if you desaturate by 10%, it is **78.4669, 0.2443, 0.3668**.

Distribution



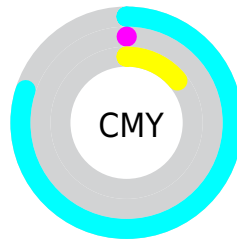
- Red (20%)
- Green (100%)
- Blue (86%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3911, 0.2412, 0.3731 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 77.3911, 0.2412, 0.3731 by changing the saturation by 10% instead.

 77.3911, 0.2412,
0.3731

 77.3911, 0.2412,
0.3731


486.0965, 0.2738,
0.3528

 57.5739, 0.2339,
0.3777


 129.6914, 0.2524,
0.3661

 41.4662, 0.2250,
0.3834


 162.9433, 0.2568,
0.3633

 28.6835, 0.2139,
0.3906


 201.4423, 0.2605,
0.3610

 18.8416, 0.1997,
0.3998

 245.5727, 0.2639,
0.3589

 11.5558, 0.1808,
0.4123

295.7189, 0.2668,
0.3571

 6.4420, 0.1550,
0.4299

352.2653, 0.2694,

 3.1157, 0.1180,

0.3555

415.5964, 0.2717,
0.3540

0.4562

■ 1.1924, 0.0000,
0.5322

■ 0.0555, 0.0000,
1.0000

■ 77.3911, 0.2412,
0.3731

■ 77.3911, 0.2412,
0.3731

■ 76.6678, 0.2400,
0.3793


■ 78.4669, 0.2443,
0.3668


■ 76.2383, 0.2404,
0.3854


■ 79.9705, 0.2495,
0.3607

■ 81.9377, 0.2565,
0.3546

■ 84.4068, 0.2653,
0.3488

 87.4119, 0.2756,
0.3433

 90.9842, 0.2871,
0.3381

 95.1524, 0.2995,
0.3334

99.9432, 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.



77.3911, 0.2973, 0.4304



77.3911, 0.2412, 0.3731



77.3911, 0.2064, 0.3058

Triad

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



77.3911, 0.2412, 0.3731



77.3911, 0.2565, 0.2303



77.3911, 0.4419, 0.3836

Complementary

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



77.3911, 0.2412, 0.3731



24.2704, 0.5548, 0.3055

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.



77.3911, 0.4315, 0.3339



77.3911, 0.2412, 0.3731



77.3911, 0.3177, 0.2505

Square

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



77.3911, 0.2412, 0.3731



77.3911, 0.2150, 0.2309



77.3911, 0.3839, 0.2871



77.3911, 0.4144, 0.4271

Rectangle

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



77.3911, 0.2412, 0.3731



77.3911, 0.1977, 0.2695



77.3911, 0.3839, 0.2871



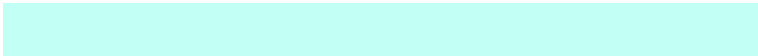
77.3911, 0.4430, 0.3672

Sweetspot

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



77.3834, 0.2412, 0.3731



89.5257, 0.2825, 0.3401



73.8395, 0.3120, 0.5704



18.8928, 0.2784, 0.3419



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.



77.3834, 0.2412, 0.3731



76.3924, 0.2401, 0.3829



44.8780, 0.2058, 0.2439



20.4249, 0.3003, 0.3331



39.8558, 0.2401, 0.3843



3.8941, 0.2381, 0.3773

Inverse Universe

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



24.2704, 0.5548, 0.3055



21.7307, 0.6087, 0.3152



33.8509, 0.5397, 0.3805



18.0379, 0.3267, 0.3250



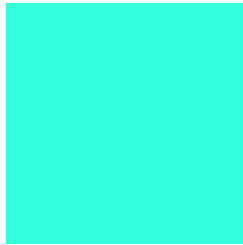
11.2174, 0.6151, 0.3162



1.1056, 0.5868, 0.3006

Previews

White Background



This preview shows how the Yxy color 77.3911, 0.2412, 0.3731 looks on a white background.

Color Contrast Check

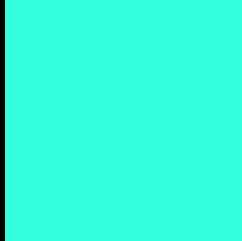
Large Text (above 18pt) WCAG AA × Fail

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 77.3911, 0.2412, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

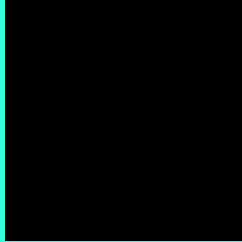
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

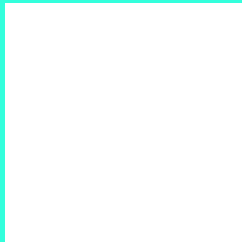
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3911, 0.2412, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 77.3911, 0.2412, 0.3731.

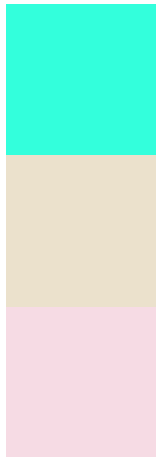


This preview shows how white text looks on a background with the Yxy color 77.3911, 0.2412, 0.3731.

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

77.3911, 0.2412, 0.3731

Protanopia

75.8722, 0.3338, 0.3514

Deuteranopia

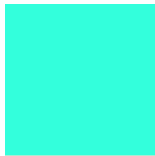
75.8573, 0.3261, 0.3199



Tritanopia

76.6146, 0.2536, 0.3129

Trichromacy



Original Color

77.3911, 0.2412, 0.3731



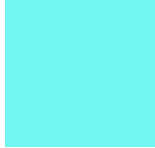
Protanomaly

72.9689, 0.2850, 0.3599



Deuteranomaly

72.2634, 0.2804, 0.3370



Tritanomaly

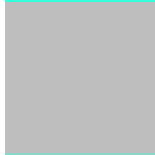
75.8997, 0.2458, 0.3336

Monochromacy



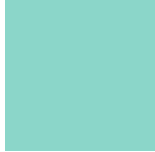
Original Color

77.3911, 0.2412, 0.3731



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 77.3911, 0.2412, 0.3731 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 220) }
```

Border

The CSS property to change the border of an element to Yxy 77.3911, 0.2412, 0.3731 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, 220) }
```

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

```
.border{ border-color:rgb(51, 255, 220) }
```

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, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3911, 0.2412, 0.3731 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, 220) }
```

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

```
.background{ background-color: rgb(51, 255,  
220) }
```

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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