

Converting Colors

$Y_{xy}(77.0788, 0.2436, 0.3811)$

Have a look what the booklet for
Yxy(77.0788, 0.2436, 0.3811)
contains.

Yxy(77.0788, 0.2436, 0.3811)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.0788, 0.2436, 0.3811)

Conversions

Conversions Part 1

Format	Color
Hex	33FFD6
RGB	51, 255, 214
RGB Percent	20%, 100%, 84%
CMY	0.7994, 0.0000, 0.1607
CMYK	0.80, 0.00, 0.16, 0.00
HSL	168°, 100%, 60%
HSV	168°, 80%, 100%
XYZ	49.2689, 77.0788, 75.9057
YIQ	189.3300, -108.4230, -55.9990

Conversions

Conversions Part 2

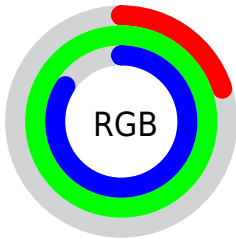
Format	Color
RYB	51, 164, 255
Decimal	3407830
CIELab	90.36, -56.79, 6.04
CIELCh	90, 57.109, 173.931
Yxy	77.0788, 0.2436, 0.3811
Android (android.graphics.Color)	4281597910 (0xFF33FFD6)
YUV	189.3300, 12.1623, -121.3154
Hunter-Lab	87.7945, -53.4690, 10.1950

Details

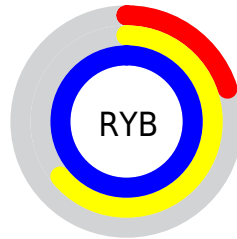
The Yxy color **77.0788, 0.2436, 0.3811** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.4154, 0.5456, 0.3003**, and the grayscale version is **51.0898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **42.4357, 0.2422, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **76.3312, 0.2426, 0.3885**, and if you desaturate by 10%, it is **78.2035, 0.2465, 0.3737**.

Distribution



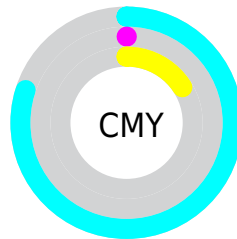
- Red (20%)
- Green (100%)
- Blue (84%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0788, 0.2436, 0.3811 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 77.0788, 0.2436, 0.3811 by changing the saturation by 10% instead.

 77.0788, 0.2436,
0.3811

 77.0788, 0.2436,
0.3811


485.0327, 0.2753,
0.3567


 57.3176, 0.2365,
0.3867


 129.2507, 0.2545,
0.3726


 41.2602, 0.2277,
0.3937


 162.4302, 0.2588,
0.3693

 28.5225, 0.2168,
0.4025


 200.8511, 0.2625,
0.3665

 18.7199, 0.2026,
0.4141

 244.8980, 0.2657,
0.3640

 11.4681, 0.1838,
0.4300

294.9552, 0.2685,
0.3619

 6.3826, 0.1578,
0.4527


351.4071, 0.2710,


 3.0791, 0.1198,


0.3599


0.4880


414.6381, 0.2733,
0.3582


 1.1732, 0.0000,
0.5867

 0.0396, 0.0000,
1.0000

 77.0788, 0.2436,
0.3811


 77.0788, 0.2436,
0.3811

 76.3312, 0.2426,
0.3885


 78.2035, 0.2465,
0.3737

 75.8674, 0.2433,
0.3958

 79.7482, 0.2515,
0.3663

 75.8650, 0.2433,
0.3959

 81.7596, 0.2583,
0.3591

 84.2757, 0.2669,
0.3522

 87.3306, 0.2769,
0.3457

 90.9556, 0.2881,
0.3396

 95.1792, 0.3001,
0.3341

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



77.0788, 0.3026, 0.4378



77.0788, 0.2436, 0.3811



77.0788, 0.2056, 0.3108

Triad

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



77.0788, 0.2436, 0.3811



77.0788, 0.2499, 0.2267



77.0788, 0.4466, 0.3800

Complementary

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



77.0788, 0.2436, 0.3811



24.4154, 0.5456, 0.3003

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.



77.0788, 0.4321, 0.3290



77.0788, 0.2436, 0.3811



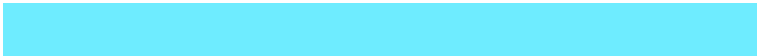
77.0788, 0.3113, 0.2456

Square

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



77.0788, 0.2436, 0.3811



77.0788, 0.2095, 0.2294



77.0788, 0.3802, 0.2818



77.0788, 0.4212, 0.4261

Rectangle

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



77.0788, 0.2436, 0.3811



77.0788, 0.1951, 0.2721



77.0788, 0.3802, 0.2818



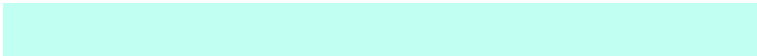
77.0788, 0.4465, 0.3630

Sweetspot

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



77.0818, 0.2436, 0.3811



89.4155, 0.2834, 0.3420



74.2087, 0.3147, 0.5681



18.8660, 0.2795, 0.3442



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.



77.0818, 0.2436, 0.3811



76.0314, 0.2429, 0.3930



47.9695, 0.2085, 0.2535



20.4152, 0.3007, 0.3338



39.6639, 0.2430, 0.3947



3.8771, 0.2406, 0.3863

Inverse Universe

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



24.4154, 0.5456, 0.3003



21.8016, 0.6010, 0.3109



32.4173, 0.5460, 0.3742



18.0468, 0.3263, 0.3242



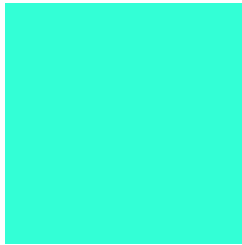
11.2517, 0.6077, 0.3121



1.1102, 0.5779, 0.2957

Previews

White Background



This preview shows how the Yxy color 77.0788, 0.2436, 0.3811 looks on a white background.

Color Contrast Check

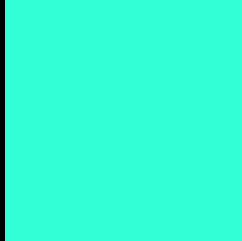
Large Text (above 18pt) WCAG AA × Fail

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 77.0788, 0.2436, 0.3811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

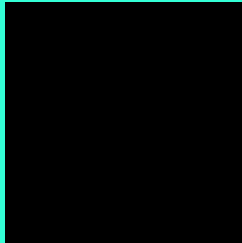
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

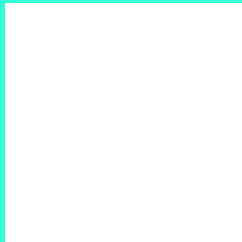
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0788, 0.2436, 0.3811

Background



This preview shows how black text looks on a background with the Yxy color 77.0788, 0.2436, 0.3811.



This preview shows how white text looks on a background with the Yxy color 77.0788, 0.2436, 0.3811.

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

77.0788, 0.2436, 0.3811

Protanopia

75.7605, 0.3387, 0.3578

Deuteranopia

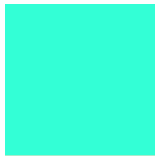
75.3732, 0.3318, 0.3250



Tritanopia

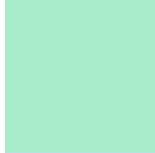
76.5202, 0.2531, 0.3129

Trichromacy



Original Color

77.0788, 0.2436, 0.3811



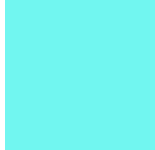
Protanomaly

72.7856, 0.2889, 0.3672



Deuteranomaly

71.4964, 0.2843, 0.3430



Tritanomaly

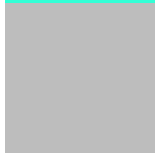
75.7135, 0.2463, 0.3360

Monochromacy



Original Color

77.0788, 0.2436, 0.3811



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

57.1547, 0.2723, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0788, 0.2436, 0.3811 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 77.0788, 0.2436, 0.3811 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, 214) }
```

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

```
.border{ border-color:rgb(51, 255, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
214) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.0788, 0.2436, 0.3811$ 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, 214) }
```

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

```
.background{ background-color: rgb(51, 255,  
214) }
```

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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