

Converting Colors

$Yxy(77.0203, 0.2461, 0.3866)$

Have a look what the booklet for
Yxy(77.0203, 0.2461, 0.3866)
contains.

Yxy(77.0139, 0.2460, 0.3864)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.0139, 0.2460, 0.3864)

Conversions

Conversions Part 1

Format	Color
Hex	38FFD2
RGB	56, 255, 210
RGB Percent	22%, 100%, 82%
CMY	0.7799, 0.0000, 0.1764
CMYK	0.78, 0.00, 0.18, 0.00
HSL	166°, 100%, 61%
HSV	166°, 78%, 100%
XYZ	49.0306, 77.0139, 73.2668
YIQ	190.3690, -104.1590, -56.1830

Conversions

Conversions Part 2

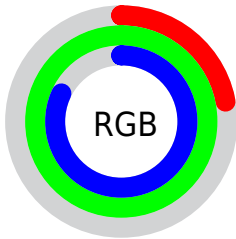
Format	Color
RYB	56, 168, 255
Decimal	3735506
CIELab	90.33, -57.31, 8.07
CIELCh	90, 57.873, 171.989
Yxy	77.0139, 0.2460, 0.3864
Android (android.graphics.Color)	4281925586 (0xFF38FFD2)
YUV	190.3690, 9.6781, -117.8416
Hunter-Lab	87.7576, -53.8469, 11.9304

Details

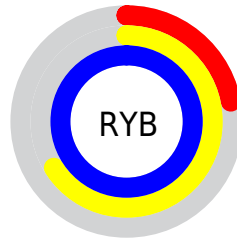
The Yxy color **77.0139, 0.2460, 0.3864** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **25.0418, 0.5305, 0.2951**, and the grayscale version is **51.7277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **42.3328, 0.2437, 0.3973** is the 20% darker color. If you saturate the color by 10%, you get **76.1757, 0.2449, 0.3949**, and if you desaturate by 10%, it is **78.2423, 0.2491, 0.3779**.

Distribution



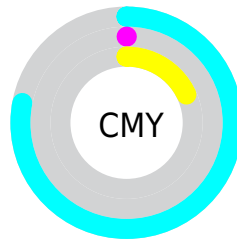
- Red (22%)
- Green (100%)
- Blue (82%)



- Red (22%)
- Yellow (66%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0139, 0.2460, 0.3864 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 77.0139, 0.2460, 0.3864 by changing the saturation by 10% instead.


 77.0139, 0.2460,
0.3864

 77.0139, 0.2460,
0.3864


484.8114, 0.2767,
0.3593

 57.2643, 0.2390,
0.3927

 129.1591, 0.2566,
0.3769


 41.2175, 0.2305,
0.4005


 162.3235, 0.2608,
0.3733

 28.4890, 0.2197,
0.4105


 200.7282, 0.2643,
0.3701

 18.6946, 0.2058,
0.4237


 244.7577, 0.2675,
0.3674

 11.4498, 0.1872,
0.4418

294.7964, 0.2702,
0.3650

 6.3703, 0.1613,
0.4682

351.2287, 0.2726,

 3.0715, 0.1229,

0.3629

0.5100

414.4389, 0.2748,
0.3610

■ 1.1692, 0.0000,
0.6319

■ 0.0363, 0.0000,
1.0000

■ 77.0139, 0.2460,
0.3864

■ 77.0139, 0.2460,
0.3864

■ 76.1757, 0.2449,
0.3949

■ 78.2423, 0.2491,
0.3779

■ 75.6511, 0.2456,
0.4032

■ 79.9020, 0.2542,
0.3696

■ 75.5645, 0.2458,
0.4049

■ 82.0383, 0.2612,
0.3615

■ 84.6884, 0.2699,
0.3538

87.8859, 0.2799,
0.3465

91.6615, 0.2910,
0.3397

96.0433, 0.3029,
0.3335

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



77.0139, 0.3067, 0.4418



77.0139, 0.2460, 0.3864



77.0139, 0.2059, 0.3148

Triad

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



77.0139, 0.2460, 0.3864



77.0139, 0.2457, 0.2250



77.0139, 0.4487, 0.3771

Complementary

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



77.0139, 0.2460, 0.3864



25.0418, 0.5305, 0.2951

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.



77.0139, 0.4314, 0.3256



77.0139, 0.2460, 0.3864



77.0139, 0.3067, 0.2428

Square

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



77.0139, 0.2460, 0.3864



77.0139, 0.2065, 0.2292



77.0139, 0.3768, 0.2784



77.0139, 0.4252, 0.4246

Rectangle

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



77.0139, 0.2460, 0.3864



77.0139, 0.1942, 0.2746



77.0139, 0.3768, 0.2784



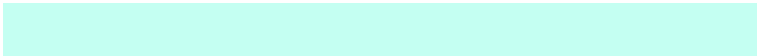
77.0139, 0.4477, 0.3599

Sweetspot

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



77.0169, 0.2460, 0.3864



89.6977, 0.2853, 0.3430



74.6609, 0.3168, 0.5629



18.9154, 0.2814, 0.3455



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.



77.0169, 0.2460, 0.3864



75.8313, 0.2451, 0.3999



50.2890, 0.2111, 0.2602



20.4070, 0.3010, 0.3344



39.5088, 0.2454, 0.4035



3.8632, 0.2428, 0.3939

Inverse Universe

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



25.0418, 0.5305, 0.2951



22.0462, 0.5881, 0.3050



32.5175, 0.5422, 0.3717



18.0543, 0.3259, 0.3236



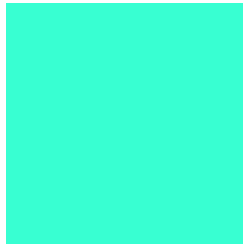
11.2851, 0.6007, 0.3083



1.1145, 0.5699, 0.2913

Previews

White Background



This preview shows how the Yxy color 77.0139, 0.2460, 0.3864 looks on a white background.

Color Contrast Check

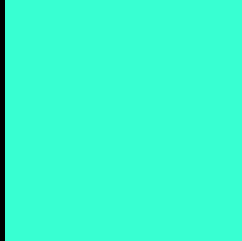
Large Text (above 18pt) WCAG AA × Fail

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 77.0139, 0.2460, 0.3864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

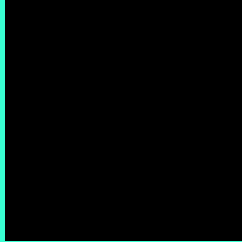
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.0139, 0.2460, 0.3864

Background



This preview shows how black text looks on a background with the Yxy color 77.0139, 0.2460, 0.3864.

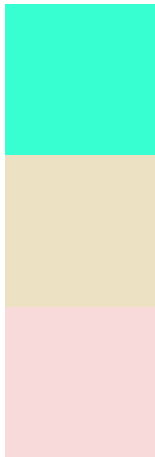


This preview shows how white text looks on a background with the Yxy color 77.0139, 0.2460, 0.3864.

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

77.0139, 0.2460, 0.3864

Protanopia

75.5783, 0.3414, 0.3621

Deuteranopia

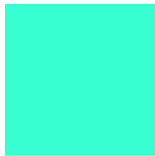
75.3445, 0.3354, 0.3291



Tritanopia

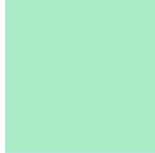
76.5202, 0.2531, 0.3129

Trichromacy



Original Color

77.0139, 0.2460, 0.3864



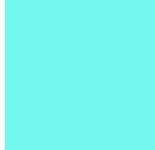
Protanomaly

72.8190, 0.2923, 0.3721



Deuteranomaly

71.6418, 0.2884, 0.3477



Tritanomaly

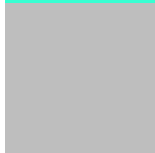
75.7884, 0.2474, 0.3372

Monochromacy



Original Color

77.0139, 0.2460, 0.3864



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.7871, 0.2742, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0139, 0.2460, 0.3864 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(56, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(56, 255, 210)  
}
```

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(56, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 255, 210) }
```

Border

The CSS property to change the border of an element to Yxy 77.0139, 0.2460, 0.3864 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(56, 255, 210) }
```

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

```
.border{ border-color:rgb(56, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(56, 255,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0139, 0.2460, 0.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 255, 210) }
```

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

```
.background{ background-color: rgb(56, 255,  
210) }
```

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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