

Converting Colors

$Y_{xy}(76.7829, 0.2207, 0.3569)$

Have a look what the booklet for
Yxy(76.7829, 0.2207, 0.3569)
contains.

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Color

Yxy(77.5182, 0.2316, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	00FFEB
RGB	0, 255, 235
RGB Percent	0%, 100%, 92%
CMY	0.9987, 0.0000, 0.0784
CMYK	1.00, 0.00, 0.08, 0.00
HSL	175°, 100%, 50%
HSV	175°, 100%, 100%
XYZ	50.7583, 77.5182, 90.8872
YIQ	176.4750, -145.5600, -60.2800

Conversions

Conversions Part 2

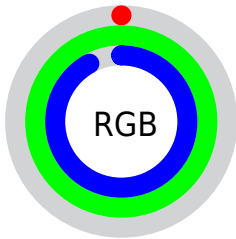
Format	Color
RYB	0, 133, 255
Decimal	65515
CIELab	90.56, -53.65, -4.59
CIELCh	91, 53.847, 184.888
Yxy	77.5182, 0.2316, 0.3537
Android (android.graphics.Color)	4278255595 (0xFF00FFEB)
YUV	176.4750, 28.8528, -154.7686
Hunter-Lab	88.0444, -51.1711, 0.4267

Details

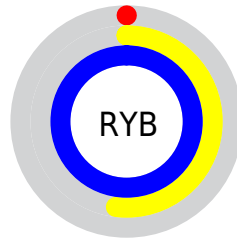
The Yxy color **77.5182, 0.2316, 0.3537** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.3189, 0.6335, 0.3265**, and the grayscale version is **43.6350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **43.1872, 0.2327, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **77.5170, 0.2316, 0.3537**, and if you desaturate by 10%, it is **77.8523, 0.2321, 0.3511**.

Distribution



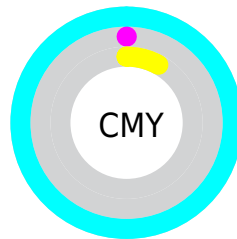
- Red (0%)
- Green (100%)
- Blue (92%)



- Red (0%)
- Yellow (52%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5182, 0.2316, 0.3537 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 77.5182, 0.2316, 0.3537 by changing the saturation by 10% instead.


 77.5182, 0.2316,
0.3537


 77.5182, 0.2316,
0.3537


486.5290, 0.2680,
0.3431

 57.6783, 0.2236,
0.3559


 129.8707, 0.2440,
0.3502

 41.5501, 0.2139,
0.3586


 163.1521, 0.2489,
0.3488

 28.7491, 0.2019,
0.3617


 201.6828, 0.2531,
0.3475

 18.8911, 0.1867,
0.3656

 245.8471, 0.2568,
0.3464

 11.5916, 0.1670,
0.3703

296.0295, 0.2601,
0.3455

 6.4663, 0.1405,
0.3759

352.6143, 0.2630,

 3.1306, 0.1042,

0.3446

0.3821

415.9861, 0.2656,
0.3438

■ 1.2003, 0.0000,
0.4082

■ 0.0620, 0.0000,
0.1376

■ 77.5182, 0.2316,
0.3537

■ 77.5182, 0.2316,
0.3537

■ 77.5170, 0.2316,
0.3537

■ 77.8523, 0.2321,
0.3511

■ 78.4650, 0.2341,
0.3484

■ 79.4423, 0.2380,
0.3457

■ 80.8361, 0.2438,
0.3430

■ 82.6897, 0.2516,
0.3404

■ 85.0411, 0.2612,
0.3378

■ 87.9244, 0.2724,
0.3354

■ 91.3707, 0.2849,
0.3331

■ 95.4085, 0.2985,
0.3309

Harmonies

Analogous

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



77.5182, 0.2817, 0.4150



77.5182, 0.2316, 0.3537



77.5182, 0.2043, 0.2911

Triad

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



77.5182, 0.2316, 0.3537



77.5182, 0.2728, 0.2362



77.5182, 0.4344, 0.3951

Complementary

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



77.5182, 0.2316, 0.3537



21.3189, 0.6335, 0.3265

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.



77.5182, 0.4347, 0.3472



77.5182, 0.2316, 0.3537



77.5182, 0.3355, 0.2608

Square

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



77.5182, 0.2316, 0.3537



77.5182, 0.2263, 0.2311



77.5182, 0.3972, 0.3000



77.5182, 0.3995, 0.4332

Rectangle

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



77.5182, 0.2316, 0.3537



77.5182, 0.2005, 0.2600



77.5182, 0.3972, 0.3000



77.5182, 0.4388, 0.3796

Sweetspot

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



77.5206, 0.2316, 0.3537



87.8834, 0.2722, 0.3354



71.6863, 0.3014, 0.5988



18.5368, 0.2673, 0.3364



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.



77.5206, 0.2316, 0.3537



77.5170, 0.2316, 0.3537



28.6816, 0.1844, 0.1837



20.4554, 0.2991, 0.3309



40.5146, 0.2315, 0.3533



3.9518, 0.2306, 0.3503

Inverse Universe

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



21.3189, 0.6335, 0.3265



21.3106, 0.6337, 0.3265



31.6604, 0.5679, 0.3872



18.0102, 0.3282, 0.3272



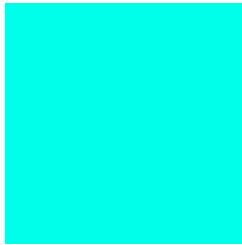
11.1433, 0.6318, 0.3254



1.0926, 0.6142, 0.3157

Previews

White Background



This preview shows how the Yxy color 77.5182, 0.2316, 0.3537 looks on a white background.

Color Contrast Check

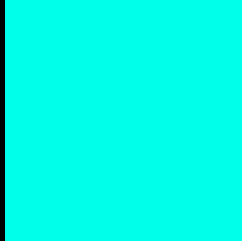
Large Text (above 18pt) WCAG AA × Fail

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 77.5182, 0.2316, 0.3537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

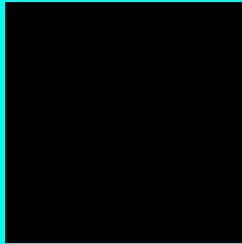
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.5182, 0.2316, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 77.5182, 0.2316, 0.3537.

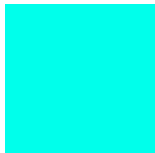


This preview shows how white text looks on a background with the Yxy color 77.5182, 0.2316, 0.3537.

Color Blindness Simulation

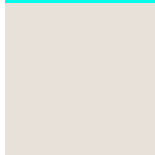
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



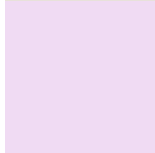
Original Color

77.5182, 0.2316, 0.3537



Protanopia

76.0682, 0.3222, 0.3364



Deuteranopia

75.6594, 0.3117, 0.3046



Tritanopia

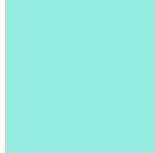
76.5202, 0.2531, 0.3129

Trichromacy



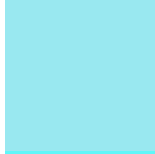
Original Color

77.5182, 0.2316, 0.3537



Protanomaly

71.6686, 0.2666, 0.3433



Deuteranomaly

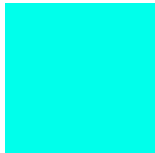
70.7768, 0.2605, 0.3195



Tritanomaly

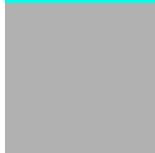
75.1217, 0.2373, 0.3264

Monochromacy



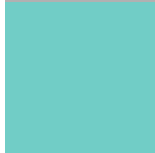
Original Color

77.5182, 0.2316, 0.3537



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

51.2506, 0.2566, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5182, 0.2316, 0.3537 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(0, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 235)  
}
```

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(0, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 77.5182, 0.2316, 0.3537 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(0, 255, 235) }
```

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

```
.border{ border-color:rgb(0, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5182, 0.2316, 0.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 235) }
```

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

```
.background{ background-color: rgb(0, 255,  
235) }
```

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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