

Converting Colors

$Y_{xy}(77.3735, 0.2325, 0.3570)$

Have a look what the booklet for
Yxy(77.3735, 0.2325, 0.3570)
contains.

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Color

$\text{Yxy}(77.3462, 0.2327, 0.3576)$

Conversions

Conversions Part 1

Format	Color
Hex	01FFE8
RGB	1, 255, 232
RGB Percent	0%, 100%, 91%
CMY	0.9970, 0.0000, 0.0902
CMYK	1.00, 0.00, 0.09, 0.00
HSL	175°, 100%, 50%
HSV	175°, 100%, 100%
XYZ	50.3313, 77.3462, 88.6150
YIQ	176.4320, -144.0010, -61.0010

Conversions

Conversions Part 2

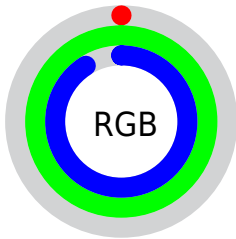
Format	Color
R _Y B	1, 134, 255
Decimal	131048
CIE Lab	90.48, -54.45, -3.14
CIE LCh	90, 54.542, 183.302
Yxy	77.3462, 0.2327, 0.3576
Android (android.graphics.Color)	4278321128 (0xFF01FFE8)
YUV	176.4320, 27.3950, -153.8539
Hunter-Lab	87.9467, -51.7524, 1.8221

Details

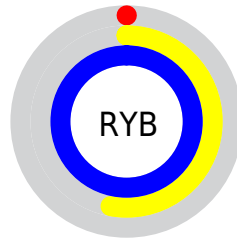
The Yxy color **77.3462, 0.2327, 0.3576** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.3413, 0.6318, 0.3256**, and the grayscale version is **43.5249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **43.0671, 0.2340, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **77.3402, 0.2327, 0.3577**, and if you desaturate by 10%, it is **77.6994, 0.2331, 0.3545**.

Distribution



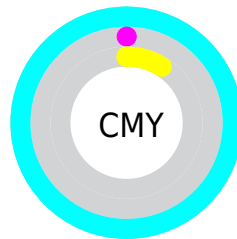
- Red (0%)
- Green (100%)
- Blue (91%)



- Red (0%)
- Yellow (53%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3462, 0.2327, 0.3576 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 77.3462, 0.2327, 0.3576 by changing the saturation by 10% instead.

 77.3462, 0.2327,
0.3576


 77.3462, 0.2327,
0.3576

485.9436, 0.2687,
0.3451

 57.5371, 0.2248,
0.3603


 129.6281, 0.2450,
0.3534

 41.4366, 0.2151,
0.3635

 162.8696, 0.2498,
0.3517

 28.6604, 0.2032,
0.3674


 201.3573, 0.2540,
0.3502

 18.8241, 0.1880,
0.3723

 245.4757, 0.2577,
0.3490

 11.5432, 0.1683,
0.3784

295.6092, 0.2609,
0.3478

 6.4335, 0.1418,
0.3862

352.1420, 0.2638,

 3.1104, 0.1051,

0.3468

0.3959

415.4587, 0.2664,
0.3459

■ 1.1896, 0.0000,
0.4293

■ 0.0532, 0.0000,
0.1609

■ 77.3462, 0.2327,
0.3576

■ 77.3462, 0.2327,
0.3576


■ 77.3402, 0.2327,
0.3577


■ 77.6994, 0.2331,
0.3545


■ 78.3339, 0.2350,
0.3514


■ 79.3344, 0.2389,
0.3483


■ 80.7526, 0.2447,
0.3452

 82.6317, 0.2524,
0.3421

 85.0098, 0.2619,
0.3391

 87.9206, 0.2730,
0.3363

 91.3954, 0.2855,
0.3336

 95.4626, 0.2989,
0.3312

Harmonies

Analogous

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



77.3462, 0.2843, 0.4189



77.3462, 0.2327, 0.3576



77.3462, 0.2038, 0.2934

Triad

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



77.3462, 0.2327, 0.3576



77.3462, 0.2693, 0.2344



77.3462, 0.4370, 0.3933

Complementary

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



77.3462, 0.2327, 0.3576



21.3413, 0.6318, 0.3256

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.



77.3462, 0.4353, 0.3447



77.3462, 0.2327, 0.3576



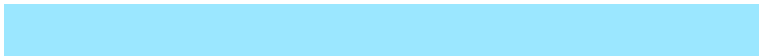
77.3462, 0.3322, 0.2583

Square

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



77.3462, 0.2327, 0.3576



77.3462, 0.2233, 0.2302



77.3462, 0.3955, 0.2972



77.3462, 0.4031, 0.4329

Rectangle

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



77.3462, 0.2327, 0.3576



77.3462, 0.1990, 0.2612



77.3462, 0.3955, 0.2972



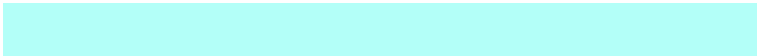
77.3462, 0.4408, 0.3775

Sweetspot

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



77.3491, 0.2327, 0.3576



87.8264, 0.2727, 0.3364



71.7421, 0.3019, 0.5984



18.5229, 0.2678, 0.3376



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.



77.3491, 0.2327, 0.3576



77.3421, 0.2327, 0.3577



30.1081, 0.1862, 0.1900



20.4514, 0.2992, 0.3311



40.4246, 0.2326, 0.3572



3.9440, 0.2316, 0.3536

Inverse Universe

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



21.3413, 0.6318, 0.3256



21.3222, 0.6323, 0.3257



30.8551, 0.5723, 0.3835



18.0138, 0.3280, 0.3269



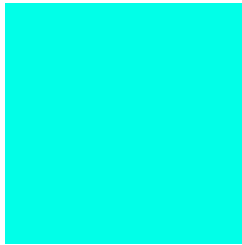
11.1502, 0.6302, 0.3245



1.0943, 0.6105, 0.3137

Previews

White Background



This preview shows how the Yxy color 77.3462, 0.2327, 0.3576 looks on a white background.

Color Contrast Check

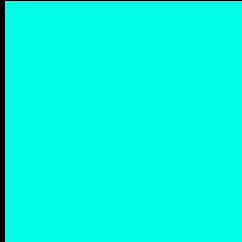
Large Text (above 18pt) WCAG AA × Fail

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 77.3462, 0.2327, 0.3576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

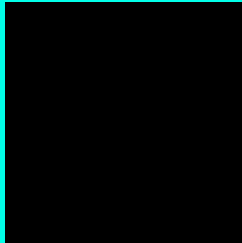
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

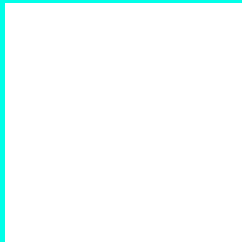
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3462, 0.2327, 0.3576

Background



This preview shows how black text looks on a background with the Yxy color 77.3462, 0.2327, 0.3576.

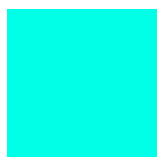


This preview shows how white text looks on a background with the Yxy color 77.3462, 0.2327, 0.3576.

Color Blindness Simulation

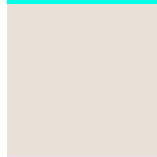
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



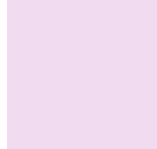
Original Color

77.3526, 0.2327, 0.3576



Protanopia

75.9125, 0.3242, 0.3396



Deuteranopia

75.6551, 0.3144, 0.3076



Tritanopia

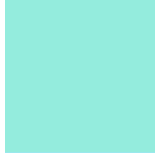
76.4265, 0.2527, 0.3129

Trichromacy



Original Color

77.3526, 0.2327, 0.3576



Protanomaly

71.5073, 0.2682, 0.3470



Deuteranomaly

70.6977, 0.2625, 0.3230



Tritanomaly

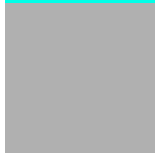
75.0066, 0.2374, 0.3276

Monochromacy



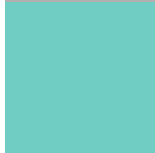
Original Color

77.3526, 0.2327, 0.3576



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

51.0929, 0.2572, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3462, 0.2327, 0.3576 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(1, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 232)  
}
```

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(1, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 232) }
```

Border

The CSS property to change the border of an element to Yxy 77.3462, 0.2327, 0.3576 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(1, 255, 232) }
```

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

```
.border{ border-color:rgb(1, 255, 232) }
```

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

Here you see how a box with a 4 pixel rgb(1, 255, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3462, 0.2327, 0.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 255, 232) }
```

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

```
.background{ background-color: rgb(1, 255,  
232) }
```

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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