

Converting Colors

$Y_{xy}(77.2918, 0.2340, 0.3607)$

Have a look what the booklet for
Yxy(77.2918, 0.2340, 0.3607)
contains.

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Color

Yxy(77.3113, 0.2338, 0.3602)

Conversions

Conversions Part 1

Format	Color
Hex	0BFFE6
RGB	11, 255, 230
RGB Percent	4%, 100%, 90%
CMY	0.9579, 0.0000, 0.0980
CMYK	0.96, 0.00, 0.10, 0.00
HSL	174°, 100%, 52%
HSV	174°, 96%, 100%
XYZ	50.1815, 77.3113, 87.1416
YIQ	179.1940, -137.3990, -59.5030

Conversions

Conversions Part 2

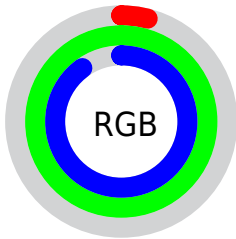
Format	Color
R _Y B	11, 140, 255
Decimal	786406
CIE Lab	90.46, -54.78, -2.13
CIE LCh	90, 54.826, 182.225
Yxy	77.3113, 0.2338, 0.3602
Android (android.graphics.Color)	4278976486 (0xFF0BFFE6)
YUV	179.1940, 25.0474, -147.5061
Hunter-Lab	87.9268, -51.9986, 2.7883

Details

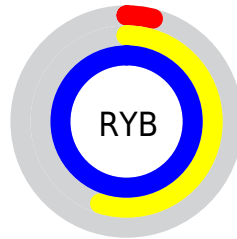
The Yxy color **77.3113, 0.2338, 0.3602** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.6193, 0.6227, 0.3231**, and the grayscale version is **45.0638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **43.0277, 0.2345, 0.3642** is the 20% darker color. If you saturate the color by 10%, you get **77.1718, 0.2338, 0.3617**, and if you desaturate by 10%, it is **77.7606, 0.2346, 0.3567**.

Distribution



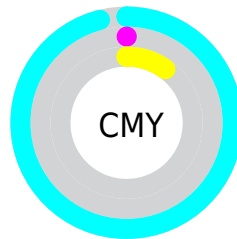
- Red (4%)
- Green (100%)
- Blue (90%)



- Red (4%)
- Yellow (55%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3113, 0.2338, 0.3602 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 77.3113, 0.2338, 0.3602 by changing the saturation by 10% instead.


 77.3113, 0.2338,
0.3602

 77.3113, 0.2338,
0.3602


485.8248, 0.2694,
0.3464

 57.5084, 0.2259,
0.3632


 129.5788, 0.2459,
0.3555

 41.4136, 0.2164,
0.3668


 162.8122, 0.2507,
0.3537

 28.6424, 0.2045,
0.3713


 201.2913, 0.2548,
0.3521

 18.8105, 0.1895,
0.3769

 245.4003, 0.2585,
0.3506

 11.5334, 0.1698,
0.3840

295.5238, 0.2617,
0.3494

 6.4268, 0.1433,
0.3933

352.0461, 0.2645,

 3.1063, 0.1065,

0.3483

0.4055

415.3516, 0.2671,
0.3473

■ 1.1875, 0.0000,
0.4448

■ 0.0514, 0.0000,
0.2007

■ 77.3113, 0.2338,
0.3602

■ 77.3113, 0.2338,
0.3602


■ 77.1718, 0.2338,
0.3617

■ 77.7606, 0.2346,
0.3567


■ 78.5469, 0.2372,
0.3531


■ 79.7212, 0.2417,
0.3495


■ 81.3313, 0.2481,
0.3460

 83.4183, 0.2565,
0.3425

 86.0184, 0.2666,
0.3392

 89.1642, 0.2781,
0.3361

 92.8859, 0.2909,
0.3332

 97.2112, 0.3045,
0.3305

Harmonies

Analogous

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



77.3113, 0.2863, 0.4212



77.3113, 0.2338, 0.3602



77.3113, 0.2039, 0.2953

Triad

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



77.3113, 0.2338, 0.3602



77.3113, 0.2670, 0.2334



77.3113, 0.4382, 0.3919

Complementary

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



77.3113, 0.2338, 0.3602



21.6193, 0.6227, 0.3231

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.



77.3113, 0.4351, 0.3430



77.3113, 0.2338, 0.3602



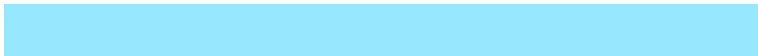
77.3113, 0.3299, 0.2568

Square

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



77.3113, 0.2338, 0.3602



77.3113, 0.2217, 0.2300



77.3113, 0.3939, 0.2955



77.3113, 0.4052, 0.4323

Rectangle

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



77.3113, 0.2338, 0.3602



77.3113, 0.1984, 0.2623



77.3113, 0.3939, 0.2955



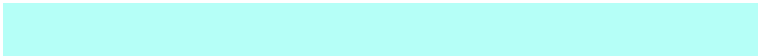
77.3113, 0.4416, 0.3759

Sweetspot

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



77.3028, 0.2338, 0.3602



88.0919, 0.2743, 0.3371



71.9796, 0.3032, 0.5953



18.5699, 0.2694, 0.3384



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.



77.3028, 0.2338, 0.3602



77.1718, 0.2338, 0.3617



32.9082, 0.1899, 0.2016



20.4475, 0.2994, 0.3314



40.3369, 0.2336, 0.3611



3.9363, 0.2325, 0.3570

Inverse Universe

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



21.6193, 0.6227, 0.3231



21.3350, 0.6307, 0.3248



31.2600, 0.5683, 0.3838



18.0173, 0.3278, 0.3266



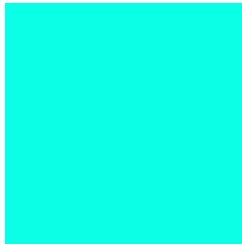
11.1578, 0.6285, 0.3236



1.0959, 0.6069, 0.3117

Previews

White Background



This preview shows how the Yxy color 77.3113, 0.2338, 0.3602 looks on a white background.

Color Contrast Check

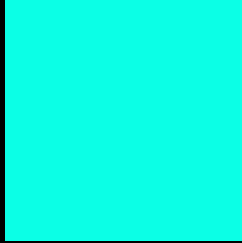
Large Text (above 18pt) WCAG AA × Fail

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 77.3113, 0.2338, 0.3602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

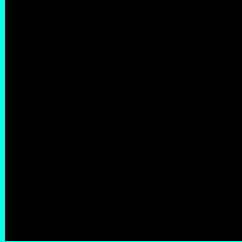
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

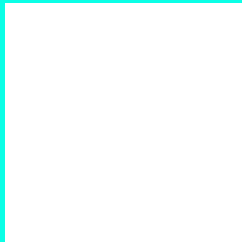
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3113, 0.2338, 0.3602

Background



This preview shows how black text looks on a background with the Yxy color 77.3113, 0.2338, 0.3602.



This preview shows how white text looks on a background with the Yxy color 77.3113, 0.2338, 0.3602.

Color Blindness Simulation

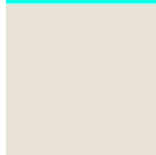
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



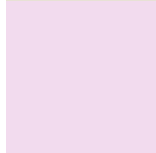
Original Color

77.3043, 0.2338, 0.3602



Protanopia

75.8103, 0.3256, 0.3418



Deuteranopia

75.7133, 0.3165, 0.3096



Tritanopia

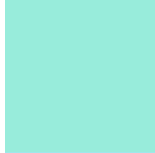
76.4265, 0.2527, 0.3129

Trichromacy



Original Color

77.3043, 0.2338, 0.3602



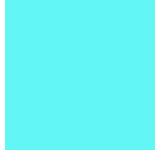
Protanomaly

71.7808, 0.2713, 0.3494



Deuteranomaly

70.9805, 0.2656, 0.3253



Tritanomaly

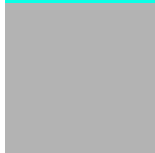
75.1620, 0.2390, 0.3288

Monochromacy



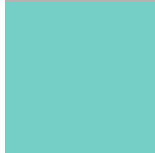
Original Color

77.3043, 0.2338, 0.3602



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

52.5544, 0.2596, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3113, 0.2338, 0.3602 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(11, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(11, 255, 230)  
}
```

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(11, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 77.3113, 0.2338, 0.3602 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(11, 255, 230) }
```

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

```
.border{ border-color:rgb(11, 255, 230) }
```

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

Here you see how a box with a 4 pixel rgb(11, 255, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(11, 255,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3113, 0.2338, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 255, 230) }
```

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

```
.background{ background-color: rgb(11, 255,  
230) }
```

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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