

Converting Colors

$Y_{xy}(77.3455, 0.2333, 0.3587)$

Have a look what the booklet for
Yxy(77.3455, 0.2333, 0.3587)
contains.

Yxy(77.3476, 0.2334, 0.3589)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.3476, 0.2334, 0.3589)

Conversions

Conversions Part 1

Format	Color
Hex	0AFFE7
RGB	10, 255, 231
RGB Percent	4%, 100%, 91%
CMY	0.9617, 0.0000, 0.0942
CMYK	0.96, 0.00, 0.09, 0.00
HSL	174°, 100%, 52%
HSV	174°, 96%, 100%
XYZ	50.3007, 77.3476, 87.8646
YIQ	179.0090, -138.3160, -59.4040

Conversions

Conversions Part 2

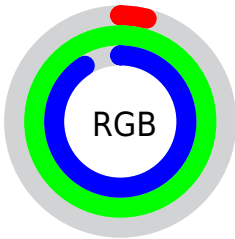
Format	Color
R _Y B	10, 139, 255
Decimal	720871
CIE Lab	90.48, -54.54, -2.61
CIE LCh	90, 54.599, 182.742
Yxy	77.3476, 0.2334, 0.3589
Android (android.graphics.Color)	4278910951 (0xFF0AFFE7)
YUV	179.0090, 25.6316, -148.2209
Hunter-Lab	87.9475, -51.8167, 2.3291

Details

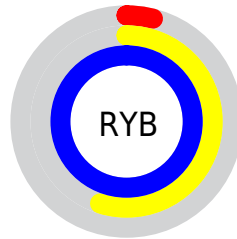
The Yxy color **77.3476, 0.2334, 0.3589** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.5860, 0.6243, 0.3237**, and the grayscale version is **44.9596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **43.0671, 0.2340, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **77.2336, 0.2334, 0.3602**, and if you desaturate by 10%, it is **77.7917, 0.2342, 0.3555**.

Distribution



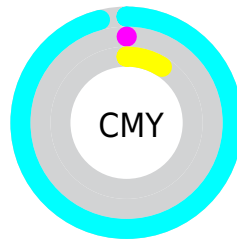
- Red (4%)
- Green (100%)
- Blue (91%)



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



- Cyan (96%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (96%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3476, 0.2334, 0.3589 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 77.3476, 0.2334, 0.3589 by changing the saturation by 10% instead.


 77.3476, 0.2334,
0.3589


 77.3476, 0.2334,
0.3589


485.9484, 0.2691,
0.3457

 57.5382, 0.2255,
0.3617


 129.6300, 0.2456,
0.3545

 41.4375, 0.2159,
0.3652


 162.8719, 0.2504,
0.3527

 28.6611, 0.2041,
0.3694

 201.3600, 0.2545,
0.3511

 18.8246, 0.1890,
0.3746

 245.4787, 0.2582,
0.3498

 11.5436, 0.1693,
0.3813

295.6126, 0.2614,
0.3486

 6.4337, 0.1428,
0.3898

352.1459, 0.2642,

 3.1106, 0.1061,

0.3475

0.4008

415.4630, 0.2668,
0.3466

■ 1.1897, 0.0000,
0.4373

■ 0.0533, 0.0000,
0.1813

■ 77.3476, 0.2334,
0.3589

■ 77.3476, 0.2334,
0.3589

■ 77.2336, 0.2334,
0.3602

■ 77.7917, 0.2342,
0.3555


■ 78.5585, 0.2367,
0.3521

■ 79.7111, 0.2412,
0.3487

■ 81.2977, 0.2476,
0.3454

 83.3594, 0.2559,
0.3421

 85.9327, 0.2660,
0.3389

 89.0504, 0.2775,
0.3359

 92.7427, 0.2903,
0.3331

 97.0373, 0.3040,
0.3305

Harmonies

Analogous

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



77.3476, 0.2854, 0.4199



77.3476, 0.2334, 0.3589



77.3476, 0.2040, 0.2945

Triad

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



77.3476, 0.2334, 0.3589



77.3476, 0.2682, 0.2340



77.3476, 0.4374, 0.3925

Complementary

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



77.3476, 0.2334, 0.3589



21.5860, 0.6243, 0.3237

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.



77.3476, 0.4350, 0.3438



77.3476, 0.2334, 0.3589



77.3476, 0.3310, 0.2576

Square

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



77.3476, 0.2334, 0.3589



77.3476, 0.2226, 0.2303



77.3476, 0.3945, 0.2964



77.3476, 0.4040, 0.4324

Rectangle

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



77.3476, 0.2334, 0.3589



77.3476, 0.1989, 0.2618



77.3476, 0.3945, 0.2964



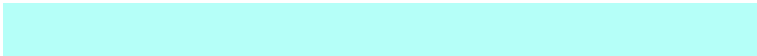
77.3476, 0.4410, 0.3766

Sweetspot

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



77.3505, 0.2334, 0.3589



88.1121, 0.2741, 0.3367



71.8855, 0.3025, 0.5961



18.5748, 0.2692, 0.3380



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.



77.3505, 0.2334, 0.3589



77.2346, 0.2334, 0.3602



31.3652, 0.1881, 0.1952



20.4490, 0.2993, 0.3313



40.3693, 0.2332, 0.3596



3.9391, 0.2322, 0.3558

Inverse Universe

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



21.5860, 0.6243, 0.3237



21.3301, 0.6314, 0.3252



31.9768, 0.5646, 0.3871



18.0160, 0.3279, 0.3267



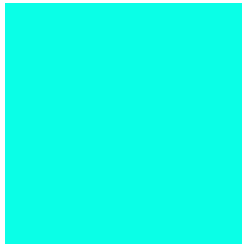
11.1549, 0.6291, 0.3239



1.0953, 0.6082, 0.3124

Previews

White Background



This preview shows how the Yxy color 77.3476, 0.2334, 0.3589 looks on a white background.

Color Contrast Check

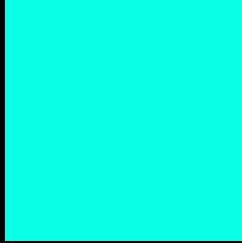
Large Text (above 18pt) WCAG AA × Fail

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 77.3476, 0.2334, 0.3589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

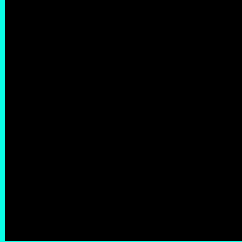
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

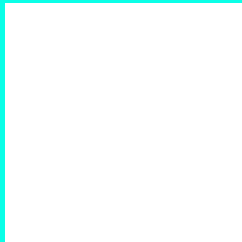
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3476, 0.2334, 0.3589

Background



This preview shows how black text looks on a background with the Yxy color 77.3476, 0.2334, 0.3589.

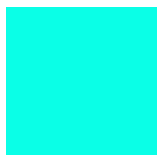


This preview shows how white text looks on a background with the Yxy color 77.3476, 0.2334, 0.3589.

Color Blindness Simulation

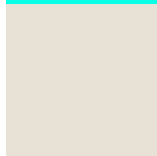
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



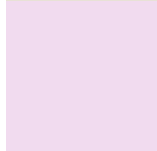
Original Color

77.3541, 0.2334, 0.3589



Protanopia

75.8613, 0.3249, 0.3407



Deuteranopia

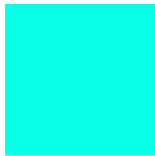
75.5958, 0.3151, 0.3086



Tritanopia

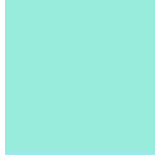
76.4265, 0.2527, 0.3129

Trichromacy



Original Color

77.3541, 0.2334, 0.3589



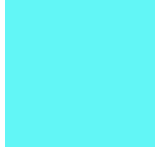
Protanomaly

71.7375, 0.2702, 0.3482



Deuteranomaly

70.9375, 0.2646, 0.3242



Tritanomaly

75.1620, 0.2390, 0.3288

Monochromacy



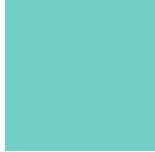
Original Color

77.3541, 0.2334, 0.3589



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

52.4848, 0.2591, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3476, 0.2334, 0.3589 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(10, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(10, 255, 231)  
}
```

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(10, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 77.3476, 0.2334, 0.3589 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(10, 255, 231) }
```

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

```
.border{ border-color:rgb(10, 255, 231) }
```

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

Here you see how a box with a 4 pixel rgb(10, 255, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(10, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3476, 0.2334, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 255, 231) }
```

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

```
.background{ background-color: rgb(10, 255,  
231) }
```

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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