

Converting Colors

$Y_{xy}(77.6875, 0.2306, 0.3500)$

Have a look what the booklet for
Yxy(77.6875, 0.2306, 0.3500)
contains.

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Color

Yxy(77.6995, 0.2306, 0.3499)

Conversions

Conversions Part 1

Format	Color
Hex	02FFEE
RGB	2, 255, 238
RGB Percent	1%, 100%, 93%
CMY	0.9927, 0.0000, 0.0668
CMYK	0.99, 0.00, 0.07, 0.00
HSL	176°, 100%, 50%
HSV	176°, 99%, 100%
XYZ	51.2075, 77.6995, 93.1550
YIQ	177.4150, -145.3310, -58.9230

Conversions

Conversions Part 2

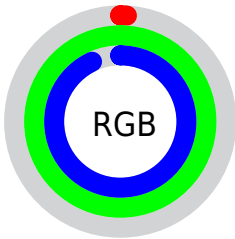
Format	Color
R_{YB}	2, 133, 255
Decimal	196590
CIE _{Lab}	90.64, -52.82, -6.00
CIE _{LCh}	91, 53.155, 186.480
Yxy	77.6995, 0.2306, 0.3499
Android (android.graphics.Color)	4278386670 (0xFF02FFEE)
YUV	177.4150, 29.8684, -153.8390
Hunter-Lab	88.1473, -50.5616, -0.9552

Details

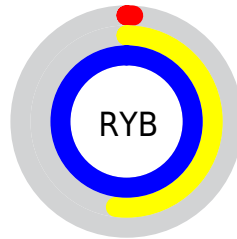
The Yxy color **77.6995, 0.2306, 0.3499** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.3468, 0.6339, 0.3270**, and the grayscale version is **44.0660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **43.3099, 0.2313, 0.3526** is the 20% darker color. If you saturate the color by 10%, you get **77.6831, 0.2306, 0.3501**, and if you desaturate by 10%, it is **78.0297, 0.2312, 0.3477**.

Distribution



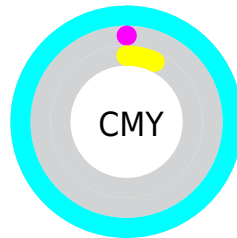
- Red (1%)
- Green (100%)
- Blue (93%)



- Red (1%)
- Yellow (52%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (99%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6995, 0.2306, 0.3499 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 77.6995, 0.2306, 0.3499 by changing the saturation by 10% instead.

 77.6995, 0.2306,
0.3499


 77.6995, 0.2306,
0.3499


487.1457, 0.2673,
0.3411

 57.8272, 0.2226,
0.3517


 130.1264, 0.2431,
0.3470

 41.6697, 0.2128,
0.3537


 163.4498, 0.2480,
0.3459

 28.8428, 0.2007,
0.3562


 202.0256, 0.2523,
0.3449

 18.9619, 0.1855,
0.3591

 246.2384, 0.2560,
0.3439

 11.6428, 0.1658,
0.3624

296.4723, 0.2594,
0.3431

 6.5009, 0.1394,
0.3660

353.1119, 0.2623,

 3.1520, 0.1034,

0.3424

0.3691

416.5416, 0.2650,
0.3417

■ 1.2116, 0.0000,
0.3886

■ 0.0711, 0.0000,
0.1252

■ 77.6995, 0.2306,
0.3499

■ 77.6995, 0.2306,
0.3499


■ 77.6831, 0.2306,
0.3501

■ 78.0297, 0.2312,
0.3477


■ 78.6471, 0.2334,
0.3454

■ 79.6321, 0.2375,
0.3431


■ 81.0360, 0.2435,
0.3408

 82.9018, 0.2515,
0.3386

 85.2672, 0.2613,
0.3364

 88.1661, 0.2727,
0.3343

 91.6294, 0.2854,
0.3323

 95.6855, 0.2992,
0.3305

Harmonies

Analogous

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



77.6995, 0.2791, 0.4110



77.6995, 0.2306, 0.3499



77.6995, 0.2049, 0.2889

Triad

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



77.6995, 0.2306, 0.3499



77.6995, 0.2764, 0.2382



77.6995, 0.4318, 0.3968

Complementary

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



77.6995, 0.2306, 0.3499



21.3468, 0.6339, 0.3270

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.



77.6995, 0.4340, 0.3497



77.6995, 0.2306, 0.3499



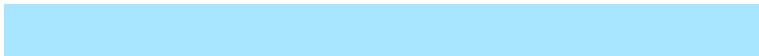
77.6995, 0.3387, 0.2634

Square

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



77.6995, 0.2306, 0.3499



77.6995, 0.2292, 0.2320



77.6995, 0.3988, 0.3028



77.6995, 0.3959, 0.4333

Rectangle

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



77.6995, 0.2306, 0.3499



77.6995, 0.2020, 0.2590



77.6995, 0.3988, 0.3028



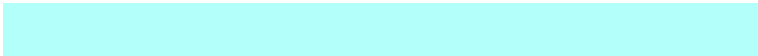
77.6995, 0.4367, 0.3816

Sweetspot

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



77.7024, 0.2306, 0.3499



87.9370, 0.2718, 0.3344



71.7054, 0.3015, 0.5985



18.5498, 0.2669, 0.3353



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.



77.7024, 0.2306, 0.3499



77.6834, 0.2306, 0.3501



28.8924, 0.1847, 0.1847



20.4591, 0.2989, 0.3306



40.6002, 0.2305, 0.3497



3.9592, 0.2298, 0.3471

Inverse Universe

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



21.3468, 0.6339, 0.3270



21.3010, 0.6349, 0.3271



31.8486, 0.5666, 0.3877



18.0069, 0.3284, 0.3274



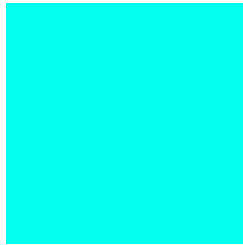
11.1375, 0.6332, 0.3262



1.0910, 0.6177, 0.3177

Previews

White Background



This preview shows how the Yxy color 77.6995, 0.2306, 0.3499 looks on a white background.

Color Contrast Check

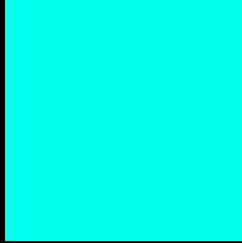
Large Text (above 18pt) WCAG AA × Fail

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 77.6995, 0.2306, 0.3499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

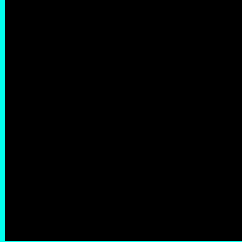
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

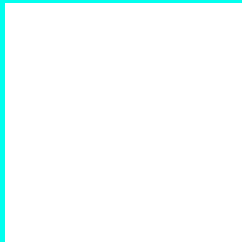
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6995, 0.2306, 0.3499

Background



This preview shows how black text looks on a background with the Yxy color 77.6995, 0.2306, 0.3499.

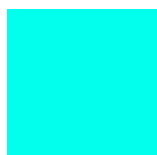


This preview shows how white text looks on a background with the Yxy color 77.6995, 0.2306, 0.3499.

Color Blindness Simulation

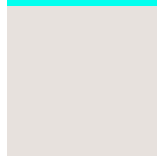
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



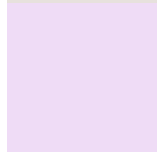
Original Color

77.7060, 0.2306, 0.3499



Protanopia

76.0598, 0.3195, 0.3333



Deuteranopia

76.1909, 0.3091, 0.3026



Tritanopia

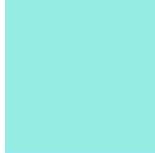
77.2083, 0.2538, 0.3141

Trichromacy



Original Color

77.7060, 0.2306, 0.3499



Protanomaly

71.8329, 0.2651, 0.3397



Deuteranomaly

71.5212, 0.2592, 0.3172



Tritanomaly

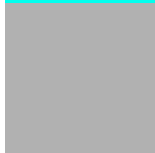
75.8479, 0.2375, 0.3264

Monochromacy



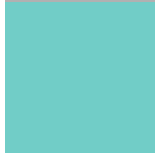
Original Color

77.7060, 0.2306, 0.3499



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

51.2969, 0.2560, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6995, 0.2306, 0.3499 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(2, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(2, 255, 238)  
}
```

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(2, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 77.6995, 0.2306, 0.3499 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(2, 255, 238) }
```

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

```
.border{ border-color:rgb(2, 255, 238) }
```

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

Here you see how a box with a 4 pixel rgb(2, 255, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(2, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6995, 0.2306, 0.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 255, 238) }
```

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

```
.background{ background-color: rgb(2, 255,  
238) }
```

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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