

Converting Colors

$Y_{xy}(72.0948, 0.1801, 0.2613)$

Have a look what the booklet for
Yxy(72.0948, 0.1801, 0.2613)
contains.

Yxy(74.3548, 0.2223, 0.3202)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(74.3548, 0.2223, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	00F8FF
RGB	0, 248, 255
RGB Percent	0%, 97%, 100%
CMY	0.9981, 0.0275, 0.0000
CMYK	1.00, 0.03, 0.00, 0.00
HSL	182°, 100%, 50%
HSV	182°, 100%, 100%
XYZ	51.6211, 74.3548, 106.2377
YIQ	174.6460, -150.0550, -50.3990

Conversions

Conversions Part 2

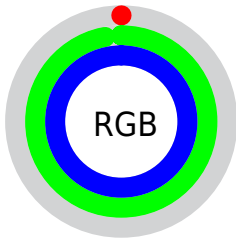
Format	Color
RYB	0, 126, 255
Decimal	63743
CIELab	89.09, -45.03, -17.18
CIELCh	89, 48.196, 200.880
Yxy	74.3548, 0.2223, 0.3202
Android (android.graphics.Color)	4278253823 (0xFF00F8FF)
YUV	174.6460, 39.6145, -153.1645
Hunter-Lab	86.2292, -44.0422, -12.6871

Details

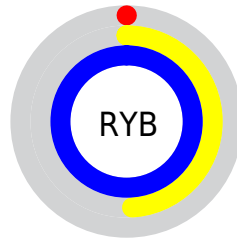
The Yxy color **74.3548, 0.2223, 0.3202** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.4238, 0.6385, 0.3310**, and the grayscale version is **42.6069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **41.3388, 0.2216, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **74.3460, 0.2223, 0.3202**, and if you desaturate by 10%, it is **75.0060, 0.2237, 0.3211**.

Distribution



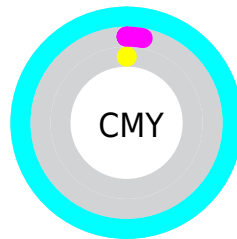
- Red (0%)
- Green (97%)
- Blue (100%)



- Red (0%)
- Yellow (49%)
- Blue (100%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3548, 0.2223, 0.3202 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 74.3548, 0.2223, 0.3202 by changing the saturation by 10% instead.


 74.3548, 0.2223,
0.3202


 74.3548, 0.2223,
0.3202


475.6970, 0.2625,
0.3257


 55.0845, 0.2136,
0.3186

 125.3986, 0.2359,
0.3224


 39.4694, 0.2031,
0.3165


 157.9409, 0.2413,
0.3232

 27.1251, 0.1902,
0.3136


 195.6760, 0.2459,
0.3238

 17.6672, 0.1740,
0.3094

 238.9883, 0.2501,
0.3243

 10.7113, 0.1533,
0.3032

288.2621, 0.2537,
0.3247

 5.8731, 0.1263,
0.2930

343.8819, 0.2569,

 2.7680, 0.0906,

0.3251

0.2752

406.2321, 0.2598,
0.3254

■ 1.0119, 0.0000,
0.2519

■ 0.0000, 0.0000,
0.0000

■ 74.3548, 0.2223,
0.3202

■ 74.3548, 0.2223,
0.3202

■ 74.3460, 0.2223,
0.3202

■ 75.0060, 0.2237,
0.3211

■ 75.9369, 0.2266,
0.3220

■ 77.2331, 0.2313,
0.3229

■ 78.9462, 0.2380,
0.3239

■ 81.1198, 0.2467,
0.3248

■ 83.7918, 0.2572,
0.3257

■ 86.9962, 0.2693,
0.3266

■ 90.7639, 0.2829,
0.3275

■ 95.1237, 0.2976,
0.3283

Harmonies

Analogous

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



74.3548, 0.2582, 0.3791



74.3548, 0.2223, 0.3202



74.3548, 0.2095, 0.2715

Triad

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



74.3548, 0.2223, 0.3202



74.3548, 0.3060, 0.2538



74.3548, 0.4103, 0.4105

Complementary

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



74.3548, 0.2223, 0.3202



21.4238, 0.6385, 0.3310

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.



74.3548, 0.4279, 0.3705



74.3548, 0.2223, 0.3202



74.3548, 0.3649, 0.2845

Square

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



74.3548, 0.2223, 0.3202



74.3548, 0.2541, 0.2391



74.3548, 0.4113, 0.3257



74.3548, 0.3666, 0.4332

Rectangle

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



74.3548, 0.2223, 0.3202



74.3548, 0.2143, 0.2508



74.3548, 0.4113, 0.3257



74.3548, 0.4196, 0.3984

Sweetspot

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



74.3575, 0.2223, 0.3202



86.9290, 0.2691, 0.3266



71.5336, 0.2998, 0.5992



18.3038, 0.2638, 0.3262



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.



74.3575, 0.2223, 0.3202



74.3460, 0.2223, 0.3202



21.5147, 0.1748, 0.1493



20.3906, 0.2980, 0.3283



38.8859, 0.2223, 0.3203



3.8122, 0.2226, 0.3214

Inverse Universe

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



28.0480, 0.3280, 0.1581



28.0364, 0.3280, 0.1581



37.7604, 0.5383, 0.4107



18.2912, 0.3142, 0.3062



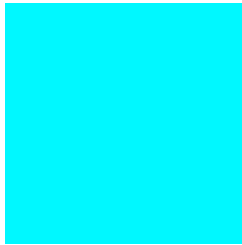
14.6535, 0.3279, 0.1580



1.4294, 0.3271, 0.1575

Previews

White Background



This preview shows how the Yxy color 74.3548, 0.2223, 0.3202 looks on a white background.

Color Contrast Check

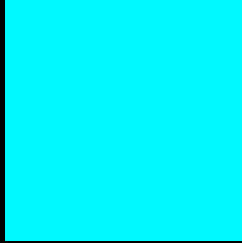
Large Text (above 18pt) WCAG AA × Fail

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 74.3548, 0.2223, 0.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

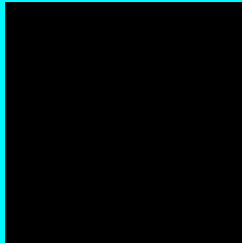
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.3548, 0.2223, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 74.3548, 0.2223, 0.3202.

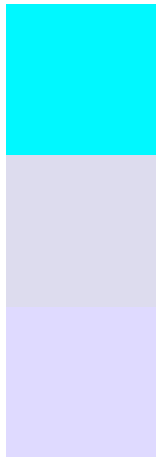


This preview shows how white text looks on a background with the Yxy color 74.3548, 0.2223, 0.3202.

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

74.3548, 0.2223, 0.3202

Protanopia

72.7316, 0.3018, 0.3098

Deuteranopia

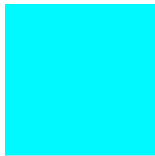
73.0508, 0.2925, 0.2905



Tritanopia

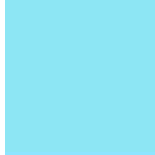
73.9758, 0.2433, 0.3113

Trichromacy



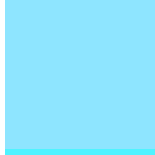
Original Color

74.3548, 0.2223, 0.3202



Protanomaly

68.7880, 0.2524, 0.3122



Deuteranomaly

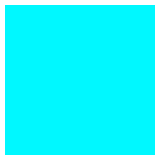
69.0094, 0.2476, 0.2986



Tritanomaly

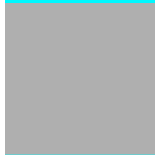
73.0267, 0.2299, 0.3143

Monochromacy



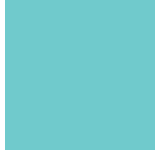
Original Color

74.3548, 0.2223, 0.3202



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

50.0454, 0.2521, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.3548, 0.2223, 0.3202 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, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 248, 255)  
}
```

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, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.3548, 0.2223, 0.3202 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, 248, 255) }
```

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

```
.border{ border-color:rgb(0, 248, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.3548, 0.2223, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 248, 255) }
```

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

```
.background{ background-color: rgb(0, 248,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor