

Converting Colors

$Y_{xy}(72.0351, 0.2210, 0.3155)$

Have a look what the booklet for
Yxy(72.0351, 0.2210, 0.3155)
contains.

Yxy(71.9278, 0.2209, 0.3152)	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(71.9278, 0.2209, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	00F4FF
RGB	0, 244, 255
RGB Percent	0%, 96%, 100%
CMY	0.9993, 0.0431, 0.0000
CMYK	1.00, 0.04, 0.00, 0.00
HSL	183°, 100%, 50%
HSV	183°, 100%, 100%
XYZ	50.4088, 71.9278, 105.8607
YIQ	172.2980, -148.9550, -48.3070

Conversions

Conversions Part 2

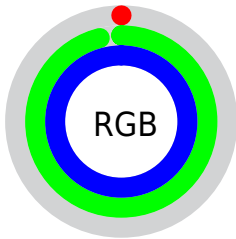
Format	Color
RYB	0, 125, 255
Decimal	62719
CIELab	87.93, -43.27, -18.94
CIELCh	88, 47.229, 203.637
Yxy	71.9278, 0.2209, 0.3152
Android (android.graphics.Color)	4278252799 (0xFF00F4FF)
YUV	172.2980, 40.7721, -151.1053
Hunter-Lab	84.8103, -42.3227, -14.6390

Details

The Yxy color **71.9278, 0.2209, 0.3152** 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 **21.5034, 0.6379, 0.3316**, and the grayscale version is **41.2897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **39.6179, 0.2199, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **71.9228, 0.2209, 0.3152**, and if you desaturate by 10%, it is **72.8064, 0.2225, 0.3167**.

Distribution



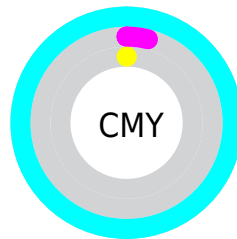
- Red (0%)
- Green (96%)
- Blue (100%)



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



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (100%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9278, 0.2209, 0.3152 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 71.9278, 0.2209, 0.3152 by changing the saturation by 10% instead.


 71.9278, 0.2209,
0.3152


 71.9278, 0.2209,
0.3152

467.2903, 0.2618,
0.3231


 53.0997, 0.2120,
0.3131

 121.9539, 0.2348,
0.3182


 37.8824, 0.2012,
0.3102


 153.9206, 0.2403,
0.3193

 25.8914, 0.1880,
0.3064


 191.0357, 0.2450,
0.3202

 16.7424, 0.1714,
0.3011

 233.6836, 0.2492,
0.3210

 10.0510, 0.1502,
0.2932

282.2486, 0.2529,
0.3216

 5.4328, 0.1225,
0.2807

337.1151, 0.2562,

 2.5034, 0.0860,

0.3222

0.2593

398.6675, 0.2592,
0.3227

■ 0.8783, 0.0000,
0.2283

■ 0.0000, 0.0000,
0.0000

■ 71.9278, 0.2209,
0.3152

■ 71.9278, 0.2209,
0.3152

■ 71.9228, 0.2209,
0.3152

■ 72.8064, 0.2225,
0.3167

■ 73.9671, 0.2255,
0.3181

■ 75.4948, 0.2304,
0.3196

■ 77.4411, 0.2373,
0.3210

■ 79.8498, 0.2461,
0.3225

■ 82.7587, 0.2568,
0.3239

■ 86.2020, 0.2690,
0.3253

■ 90.2106, 0.2827,
0.3266

■ 94.8133, 0.2974,
0.3279

Harmonies

Analogous

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



71.9278, 0.2546, 0.3734



71.9278, 0.2209, 0.3152



71.9278, 0.2104, 0.2686

Triad

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



71.9278, 0.2209, 0.3152



71.9278, 0.3114, 0.2566



71.9278, 0.4064, 0.4129

Complementary

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



71.9278, 0.2209, 0.3152



21.5034, 0.6379, 0.3316

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.



71.9278, 0.4266, 0.3742



71.9278, 0.2209, 0.3152



71.9278, 0.3695, 0.2883

Square

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



71.9278, 0.2209, 0.3152



71.9278, 0.2587, 0.2404



71.9278, 0.4133, 0.3298



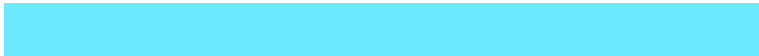
71.9278, 0.3614, 0.4329

Rectangle

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



71.9278, 0.2209, 0.3152



71.9278, 0.2165, 0.2494



71.9278, 0.4133, 0.3298



71.9278, 0.4164, 0.4013

Sweetspot

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



71.9283, 0.2209, 0.3152



86.1772, 0.2689, 0.3253



71.5401, 0.2996, 0.5986



18.1207, 0.2636, 0.3247



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.



71.9283, 0.2209, 0.3152



71.9228, 0.2209, 0.3152



20.4363, 0.1732, 0.1436



20.3392, 0.2980, 0.3279



37.6403, 0.2210, 0.3155



3.7049, 0.2214, 0.3171

Inverse Universe

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



27.7959, 0.3322, 0.1604



27.7918, 0.3322, 0.1604



38.8910, 0.5335, 0.4145



18.2860, 0.3145, 0.3066



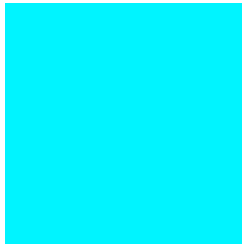
14.5278, 0.3320, 0.1603



1.4186, 0.3307, 0.1595

Previews

White Background



This preview shows how the Yxy color 71.9278, 0.2209, 0.3152 looks on a white background.

Color Contrast Check

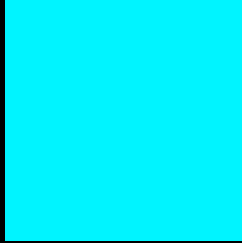
Large Text (above 18pt) WCAG AA × Fail

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 71.9278, 0.2209, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

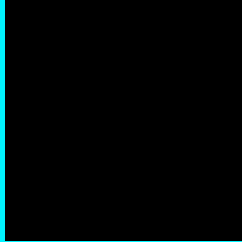
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9278, 0.2209, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 71.9278, 0.2209, 0.3152.

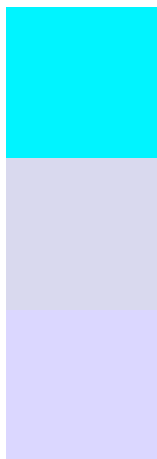


This preview shows how white text looks on a background with the Yxy color 71.9278, 0.2209, 0.3152.

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

71.9214, 0.2209, 0.3152

Protanopia

70.5505, 0.2990, 0.3064

Deuteranopia

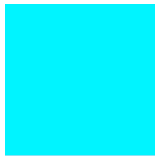
70.8809, 0.2898, 0.2870



Tritanopia

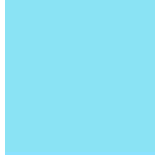
71.3723, 0.2354, 0.3085

Trichromacy



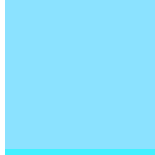
Original Color

71.9214, 0.2209, 0.3152



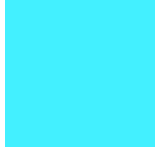
Protanomaly

66.8731, 0.2504, 0.3085



Deuteranomaly

67.1017, 0.2456, 0.2948



Tritanomaly

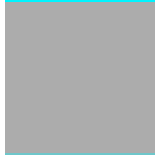
70.7335, 0.2262, 0.3105

Monochromacy



Original Color

71.9214, 0.2209, 0.3152



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

47.9674, 0.2512, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9278, 0.2209, 0.3152 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, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 244, 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, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.9278, 0.2209, 0.3152 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, 244, 255) }
```

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

```
.border{ border-color:rgb(0, 244, 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, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9278, 0.2209, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 244, 255) }
```

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

```
.background{ background-color: rgb(0, 244,  
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](#).

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