

Converting Colors

$Y_{xy}(80.1030, 0.1950, 0.2383)$

Have a look what the booklet for
Yxy(80.1030, 0.1950, 0.2383)
contains.

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Color

Yxy(74.9714, 0.2226, 0.3214)

Conversions

Conversions Part 1

Format	Color
Hex	00F9FF
RGB	0, 249, 255
RGB Percent	0%, 98%, 100%
CMY	1.0000, 0.0235, 0.0000
CMYK	1.00, 0.02, 0.00, 0.00
HSL	181°, 100%, 50%
HSV	181°, 100%, 100%
XYZ	51.9248, 74.9714, 106.3689
YIQ	175.2330, -150.3300, -50.9220

Conversions

Conversions Part 2

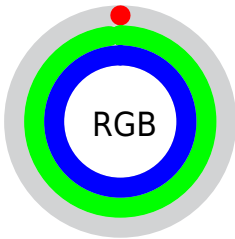
Format	Color
RYB	0, 126, 255
Decimal	63999
CIELab	89.38, -45.48, -16.76
CIELCh	89, 48.471, 200.229
Yxy	74.9714, 0.2226, 0.3214
Android (android.graphics.Color)	4278254079 (0xFF00F9FF)
YUV	175.2330, 39.3251, -153.6793
Hunter-Lab	86.5860, -44.4808, -12.2261

Details

The Yxy color **74.9714, 0.2226, 0.3214** 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 **21.3901, 0.6389, 0.3309**, and the grayscale version is **42.8492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **41.7765, 0.2221, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **74.9750, 0.2226, 0.3214**, and if you desaturate by 10%, it is **75.5592, 0.2240, 0.3222**.

Distribution



- Red (0%)
- Green (98%)
- Blue (100%)



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



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (100%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.9714, 0.2226, 0.3214 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 74.9714, 0.2226, 0.3214 by changing the saturation by 10% instead.


 74.9714, 0.2226,
0.3214

 74.9714, 0.2226,
0.3214


477.8193, 0.2626,
0.3263

 55.5895, 0.2139,
0.3200


 126.2719, 0.2361,
0.3234


 39.8739, 0.2035,
0.3180


 158.9592, 0.2415,
0.3241

 27.4402, 0.1906,
0.3153


 196.8504, 0.2461,
0.3246

 17.9041, 0.1746,
0.3114

 240.3300, 0.2502,
0.3251

 10.8812, 0.1540,
0.3055

289.7823, 0.2539,
0.3255

 5.9870, 0.1272,
0.2960


345.5916, 0.2571,

 2.8372, 0.0917,


0.3258


0.2790


408.1425, 0.2600,
0.3261


 1.0473, 0.0000,
0.2577

 0.0000, 0.0000,
0.0000

 74.9714, 0.2226,
0.3214


 74.9714, 0.2226,
0.3214

 74.9750, 0.2226,
0.3214

 75.5592, 0.2240,
0.3222

 76.4223, 0.2268,
0.3230

 77.6491, 0.2314,
0.3238

 79.2915, 0.2380,
0.3246

■ 81.3932, 0.2466,
0.3254

■ 83.9920, 0.2570,
0.3262

■ 87.1223, 0.2691,
0.3269

■ 90.8149, 0.2826,
0.3277

■ 95.0985, 0.2973,
0.3284

Harmonies

Analogous

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



74.9714, 0.2591, 0.3804



74.9714, 0.2226, 0.3214



74.9714, 0.2092, 0.2722

Triad

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



74.9714, 0.2226, 0.3214



74.9714, 0.3048, 0.2531



74.9714, 0.4112, 0.4100

Complementary

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



74.9714, 0.2226, 0.3214



21.3901, 0.6389, 0.3309

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.



74.9714, 0.4282, 0.3696



74.9714, 0.2226, 0.3214



74.9714, 0.3638, 0.2836

Square

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



74.9714, 0.2226, 0.3214



74.9714, 0.2530, 0.2388



74.9714, 0.4109, 0.3247



74.9714, 0.3679, 0.4333

Rectangle

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



74.9714, 0.2226, 0.3214



74.9714, 0.2137, 0.2511



74.9714, 0.4109, 0.3247



74.9714, 0.4204, 0.3977

Sweetspot

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



74.9750, 0.2226, 0.3214



87.1223, 0.2691, 0.3269



71.5293, 0.2998, 0.5993



18.3510, 0.2638, 0.3266



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.



74.9750, 0.2226, 0.3214



21.4480, 0.1747, 0.1489



20.4038, 0.2980, 0.3284



39.2091, 0.2227, 0.3216



3.8400, 0.2229, 0.3224

Inverse Universe

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



28.0999, 0.3270, 0.1575



37.6948, 0.5386, 0.4105



18.2926, 0.3142, 0.3061



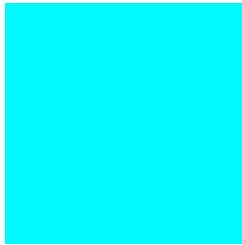
14.6862, 0.3269, 0.1574



1.4322, 0.3262, 0.1570

Previews

White Background



This preview shows how the Yxy color 74.9714, 0.2226, 0.3214 looks on a white background.

Color Contrast Check

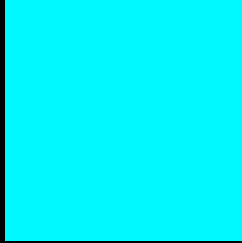
Large Text (above 18pt) WCAG AA × Fail

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 74.9714, 0.2226, 0.3214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

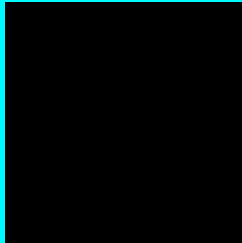
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.9714, 0.2226, 0.3214

Background



This preview shows how black text looks on a background with the Yxy color 74.9714, 0.2226, 0.3214.

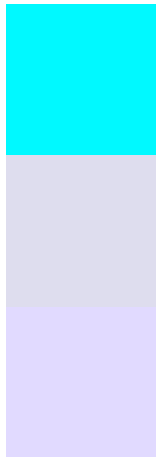


This preview shows how white text looks on a background with the Yxy color 74.9714, 0.2226, 0.3214.

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

74.9714, 0.2226, 0.3214

Protanopia

73.4155, 0.3024, 0.3109

Deuteranopia

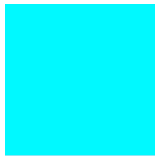
73.3704, 0.2939, 0.2907



Tritanopia

74.3655, 0.2453, 0.3114

Trichromacy



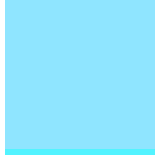
Original Color

74.9714, 0.2226, 0.3214



Protanomaly

69.3462, 0.2526, 0.3134



Deuteranomaly

69.0983, 0.2480, 0.2986



Tritanomaly

73.1602, 0.2306, 0.3144

Monochromacy



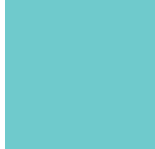
Original Color

74.9714, 0.2226, 0.3214



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

49.9802, 0.2516, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9714, 0.2226, 0.3214 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, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 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, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.9714, 0.2226, 0.3214 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, 249, 255) }
```

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

```
.border{ border-color:rgb(0, 249, 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, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 249,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 74.9714, 0.2226, 0.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 255) }
```

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

```
.background{ background-color: rgb(0, 249,  
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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