

Converting Colors

$Yxy(73.7199, 0.2428, 0.3109)$

Have a look what the booklet for
Yxy(73.7199, 0.2428, 0.3109)
contains.

Yxy(73.9002, 0.2429, 0.3113)	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(73.9002, 0.2429, 0.3113)

Conversions

Conversions Part 1

Format	Color
Hex	7DF0FF
RGB	125, 240, 255
RGB Percent	49%, 94%, 100%
CMY	0.5099, 0.0588, 0.0000
CMYK	0.51, 0.06, 0.00, 0.00
HSL	187°, 100%, 75%
HSV	187°, 51%, 100%
XYZ	57.6626, 73.9002, 105.8295
YIQ	207.3250, -73.3550, -19.7150

Conversions

Conversions Part 2

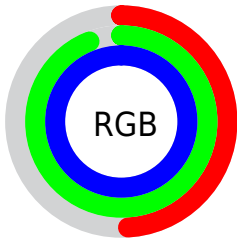
Format	Color
R _Y B	125, 186, 255
Decimal	8253695
CIE Lab	88.88, -28.77, -17.29
CIE LCh	89, 33.571, 211.005
Yxy	73.9002, 0.2429, 0.3113
Android (android.graphics.Color)	4286443775 (0xFF7DF0FF)
YUV	207.3250, 23.5038, -72.1990
Hunter-Lab	85.9652, -30.7074, -12.8147

Details

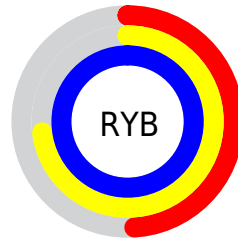
The Yxy color **73.9002, 0.2429, 0.3113** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.4817, 0.4514, 0.3447**, and the grayscale version is **62.4942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **39.2880, 0.2278, 0.3072** is the 20% darker color. If you saturate the color by 10%, you get **70.5079, 0.2334, 0.3073**, and if you desaturate by 10%, it is **77.8186, 0.2542, 0.3152**.

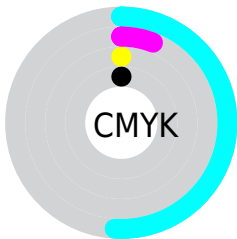
Distribution



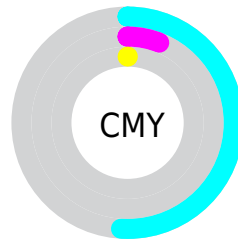
- Red (49%)
- Green (94%)
- Blue (100%)



- Red (49%)
- Yellow (73%)
- Blue (100%)



- Cyan (51%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (51%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9002, 0.2429, 0.3113 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 73.9002, 0.2429, 0.3113 by changing the saturation by 10% instead.


 73.9002, 0.2429,
0.3113

 73.9002, 0.2429,
0.3113


474.1289, 0.2742,
0.3203


 54.7124, 0.2360,
0.3091

 124.7543, 0.2536,
0.3146

 39.1715, 0.2276,
0.3062


 157.1894, 0.2578,
0.3158

 26.8931, 0.2173,
0.3025


 194.8090, 0.2614,
0.3169

 17.4930, 0.2041,
0.2974

237.9975, 0.2646,
0.3177

 10.5866, 0.1869,
0.2902

287.1394, 0.2674,
0.3185

 5.7896, 0.1637,
0.2793

342.6190, 0.2700,

 2.7176, 0.1313,

0.3192

0.2613

404.8207, 0.2722,
0.3198

0.9861, 0.0553,
0.2357

0.0000, 0.0000,
0.0000

73.9002, 0.2429,
0.3113

73.9002, 0.2429,
0.3113

70.5079, 0.2334,
0.3073

77.8186, 0.2542,
0.3152

67.5947, 0.2258,
0.3032

82.2892, 0.2669,
0.3189

65.1190, 0.2201,
0.2991

87.3463, 0.2809,
0.3224

63.0277, 0.2164,
0.2951

93.0190, 0.2957,
0.3257

■ 61.3984, 0.2143,
0.2915

99.3342, 0.3112,
0.3287

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



73.9002, 0.2643, 0.3504



73.9002, 0.2429, 0.3113



73.9002, 0.2391, 0.2808

Triad

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



73.9002, 0.2429, 0.3113



73.9002, 0.3226, 0.2811



73.9002, 0.3735, 0.3945

Complementary

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



73.9002, 0.2429, 0.3113



41.4817, 0.4514, 0.3447

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.



73.9002, 0.3919, 0.3708



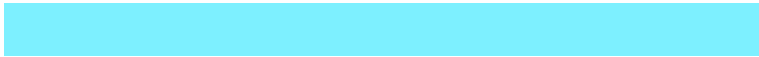
73.9002, 0.2429, 0.3113



73.9002, 0.3618, 0.3071

Square

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



73.9002, 0.2429, 0.3113



73.9002, 0.2830, 0.2660



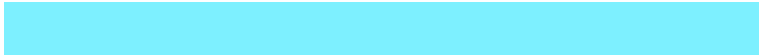
73.9002, 0.3878, 0.3391



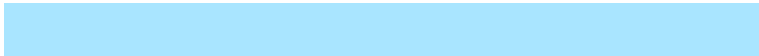
73.9002, 0.3392, 0.4011

Rectangle

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



73.9002, 0.2429, 0.3113



73.9002, 0.2466, 0.2687



73.9002, 0.3878, 0.3391



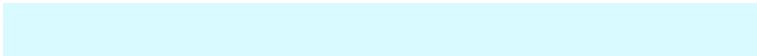
73.9002, 0.3818, 0.3881

Sweetspot

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



73.9030, 0.2429, 0.3113



90.6726, 0.2897, 0.3244



77.7099, 0.2994, 0.4768



19.1519, 0.2866, 0.3237



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.



73.9030, 0.2429, 0.3113



70.5075, 0.2334, 0.3073



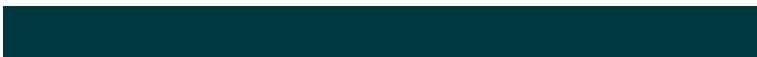
43.0127, 0.2271, 0.2314



20.1028, 0.2980, 0.3262



32.2252, 0.2145, 0.2922



3.2348, 0.2158, 0.2968

Inverse Universe

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



42.2097, 0.3319, 0.2179



36.3878, 0.3365, 0.2006



65.4439, 0.4136, 0.4084



18.2622, 0.3156, 0.3082



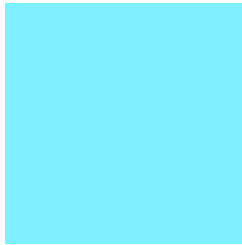
13.9811, 0.3524, 0.1715



1.3711, 0.3483, 0.1692

Previews

White Background



This preview shows how the Yxy color 73.9002, 0.2429, 0.3113 looks on a white background.

Color Contrast Check

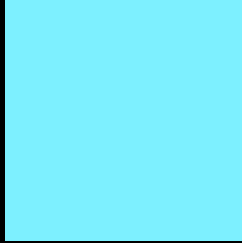
Large Text (above 18pt) WCAG AA × Fail

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 73.9002, 0.2429, 0.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

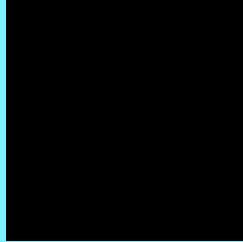
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.9002, 0.2429, 0.3113

Background



This preview shows how black text looks on a background with the Yxy color 73.9002, 0.2429, 0.3113.

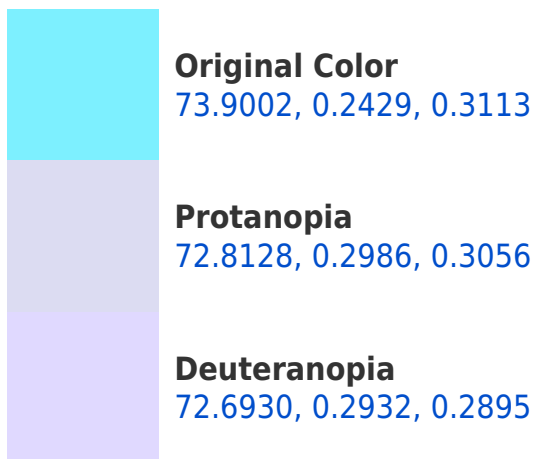


This preview shows how white text looks on a background with the Yxy color 73.9002, 0.2429, 0.3113.

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





Tritanopia

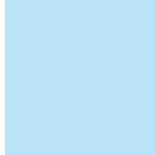
74.0318, 0.2490, 0.3092

Trichromacy



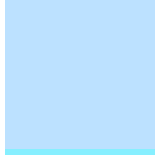
Original Color

73.9002, 0.2429, 0.3113



Protanomaly

71.9679, 0.2738, 0.3066



Deuteranomaly

71.7618, 0.2710, 0.2960



Tritanomaly

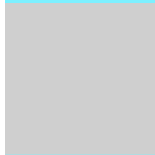
74.1039, 0.2467, 0.3103

Monochromacy



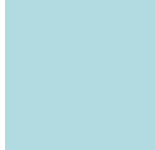
Original Color

73.9002, 0.2429, 0.3113



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

65.3920, 0.2811, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9002, 0.2429, 0.3113 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(125, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 240, 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(125, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.9002, 0.2429, 0.3113 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(125, 240, 255) }
```

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

```
.border{ border-color:rgb(125, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9002, 0.2429, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 240, 255) }
```

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

```
.background{ background-color: rgb(125,  
240, 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