

Converting Colors

$Y_{xy}(73.7539, 0.2422, 0.3113)$

Have a look what the booklet for
Yxy(73.7539, 0.2422, 0.3113)
contains.

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Color

Yxy(73.7511, 0.2422, 0.3113)

Conversions

Conversions Part 1

Format	Color
Hex	7BF0FF
RGB	123, 240, 255
RGB Percent	48%, 94%, 100%
CMY	0.5173, 0.0588, 0.0002
CMYK	0.52, 0.06, 0.00, 0.00
HSL	187°, 100%, 74%
HSV	187°, 52%, 100%
XYZ	57.3804, 73.7511, 105.7818
YIQ	206.7270, -74.5470, -20.1390

Conversions

Conversions Part 2

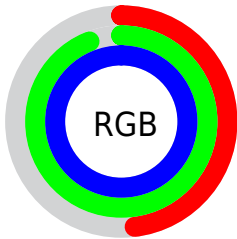
Format	Color
R _Y B	123, 185, 255
Decimal	8122623
CIE Lab	88.80, -29.16, -17.39
CIE LCh	89, 33.951, 210.802
Yxy	73.7511, 0.2422, 0.3113
Android (android.graphics.Color)	4286312703 (0xFF7BF0FF)
YUV	206.7270, 23.7986, -73.4286
Hunter-Lab	85.8785, -31.0211, -12.9162

Details

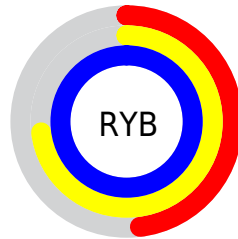
The Yxy color **73.7511, 0.2422, 0.3113** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.8712, 0.4545, 0.3447**, and the grayscale version is **62.1040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **39.1989, 0.2269, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **70.4216, 0.2328, 0.3074**, and if you desaturate by 10%, it is **77.6030, 0.2533, 0.3151**.

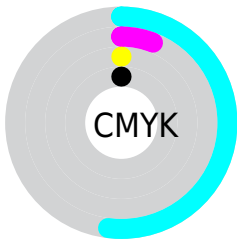
Distribution



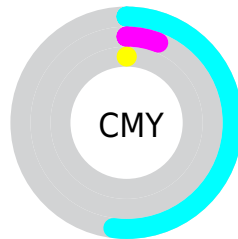
- Red (48%)
- Green (94%)
- Blue (100%)



- Red (48%)
- Yellow (73%)
- Blue (100%)



- Cyan (52%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7511, 0.2422, 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 73.7511, 0.2422, 0.3113 by changing the saturation by 10% instead.


 73.7511, 0.2422,
0.3113

 73.7511, 0.2422,
0.3113

473.6139, 0.2738,
0.3203

 54.5903, 0.2352,
0.3091


 124.5429, 0.2530,
0.3146

 39.0738, 0.2268,
0.3062


 156.9428, 0.2572,
0.3158

 26.8172, 0.2163,
0.3024


 194.5244, 0.2609,
0.3169

 17.4360, 0.2030,
0.2973

237.6723, 0.2641,
0.3178

 10.5458, 0.1857,
0.2901

286.7708, 0.2670,
0.3185

 5.7623, 0.1623,
0.2791

342.2043, 0.2695,

 2.7011, 0.1297,

0.3192

0.2609

404.3572, 0.2718,
0.3198

0.9778, 0.0516,
0.2353

0.0000, 0.0000,
0.0000

73.7511, 0.2422,
0.3113

73.7511, 0.2422,
0.3113

70.4216, 0.2328,
0.3074

77.6030, 0.2533,
0.3151

67.5671, 0.2254,
0.3033

82.0036, 0.2660,
0.3188

65.1455, 0.2199,
0.2993

86.9874, 0.2798,
0.3223

63.1028, 0.2163,
0.2954

92.5835, 0.2946,
0.3255

61.6317, 0.2145,
0.2921

98.8192, 0.3100,
0.3285

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



73.7511, 0.2639, 0.3510



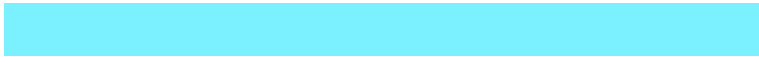
73.7511, 0.2422, 0.3113



73.7511, 0.2382, 0.2804

Triad

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



73.7511, 0.2422, 0.3113



73.7511, 0.3225, 0.2804



73.7511, 0.3744, 0.3951

Complementary

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



73.7511, 0.2422, 0.3113



40.8712, 0.4545, 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.



73.7511, 0.3929, 0.3711



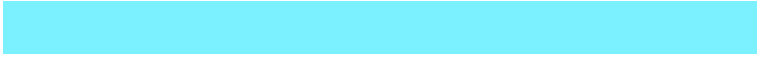
73.7511, 0.2422, 0.3113



73.7511, 0.3622, 0.3066

Square

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



73.7511, 0.2422, 0.3113



73.7511, 0.2823, 0.2652



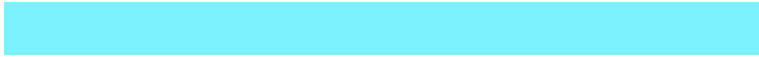
73.7511, 0.3886, 0.3389



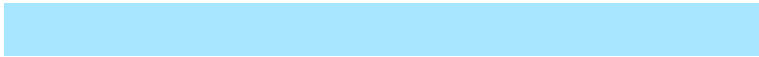
73.7511, 0.3397, 0.4021

Rectangle

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



73.7511, 0.2422, 0.3113



73.7511, 0.2457, 0.2681



73.7511, 0.3886, 0.3389



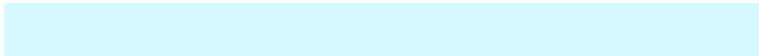
73.7511, 0.3828, 0.3886

Sweetspot

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



73.7539, 0.2422, 0.3113



90.1491, 0.2882, 0.3242



77.4948, 0.2993, 0.4793



19.0498, 0.2852, 0.3235



0.0000, 0.0000, 0.0000



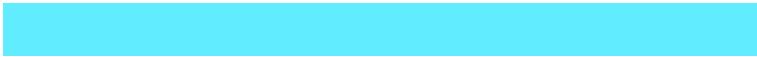
21.4041, 0.3127, 0.3290

Same Dimension

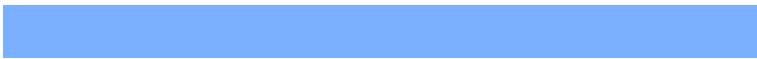
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.7539, 0.2422, 0.3113



70.3637, 0.2326, 0.3072



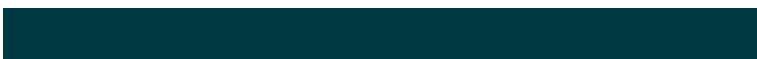
42.4179, 0.2259, 0.2297



20.1088, 0.2980, 0.3262



32.3567, 0.2147, 0.2928



3.2463, 0.2159, 0.2973

Inverse Universe

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



41.7284, 0.3320, 0.2163



35.9093, 0.3366, 0.1988



65.0216, 0.4154, 0.4094



18.2628, 0.3155, 0.3082



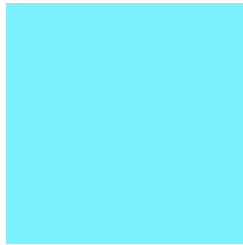
13.9944, 0.3518, 0.1712



1.3723, 0.3478, 0.1690

Previews

White Background



This preview shows how the Yxy color 73.7511, 0.2422, 0.3113 looks on a white background.

Color Contrast Check

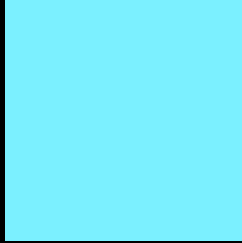
Large Text (above 18pt) WCAG AA × Fail

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 73.7511, 0.2422, 0.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

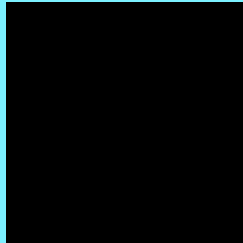
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.7511, 0.2422, 0.3113

Background



This preview shows how black text looks on a background with the Yxy color 73.7511, 0.2422, 0.3113.

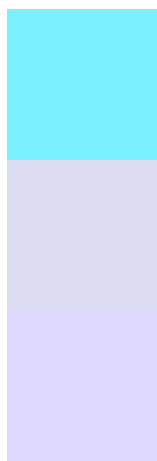


This preview shows how white text looks on a background with the Yxy color 73.7511, 0.2422, 0.3113.

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



Original Color

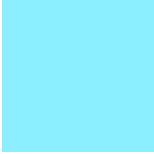
73.7511, 0.2422, 0.3113

Protanopia

72.6573, 0.2979, 0.3056

Deuteranopia

72.6930, 0.2932, 0.2895



Tritanopia

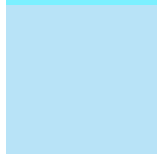
73.8580, 0.2481, 0.3092

Trichromacy



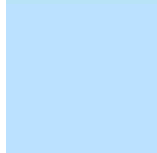
Original Color

73.7511, 0.2422, 0.3113



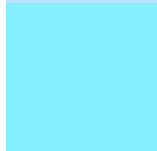
Protanomaly

71.8439, 0.2732, 0.3066



Deuteranomaly

71.6352, 0.2704, 0.2959



Tritanomaly

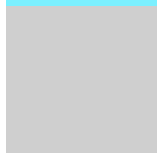
73.9395, 0.2458, 0.3103

Monochromacy



Original Color

73.7511, 0.2422, 0.3113



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

65.2750, 0.2805, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7511, 0.2422, 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(123, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 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(123, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.7511, 0.2422, 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(123, 240, 255) }
```

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

```
.border{ border-color:rgb(123, 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(123, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7511, 0.2422, 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(123, 240, 255) }
```

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

```
.background{ background-color: rgb(123,  
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](#).

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