

Converting Colors

$Y_{xy}(74.1822, 0.2439, 0.3115)$

Have a look what the booklet for
Yxy(74.1822, 0.2439, 0.3115)
contains.

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Color

Yxy(74.0522, 0.2437, 0.3113)

Conversions

Conversions Part 1

Format	Color
Hex	7FF0FF
RGB	127, 240, 255
RGB Percent	50%, 94%, 100%
CMY	0.5017, 0.0588, 0.0000
CMYK	0.50, 0.06, 0.00, 0.00
HSL	187°, 100%, 75%
HSV	187°, 50%, 100%
XYZ	57.9715, 74.0522, 105.8568
YIQ	207.9230, -72.1630, -19.2910

Conversions

Conversions Part 2

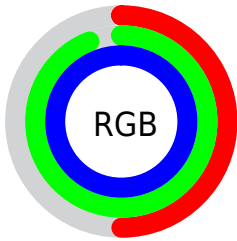
Format	Color
R_{YB}	127, 187, 255
Decimal	8384767
CIE _{Lab}	88.95, -28.33, -17.19
CIE _{LCh}	89, 33.135, 211.243
Yxy	74.0522, 0.2437, 0.3113
Android (android.graphics.Color)	4286574847 (0xFF7FF0FF)
YUV	207.9230, 23.2090, -70.9695
Hunter-Lab	86.0536, -30.3442, -12.6967

Details

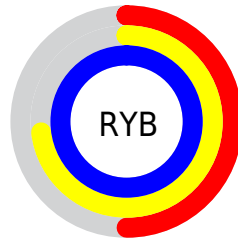
The Yxy color **74.0522, 0.2437, 0.3113** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.1635, 0.4478, 0.3448**, and the grayscale version is **62.9176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **39.3823, 0.2287, 0.3072** is the 20% darker color. If you saturate the color by 10%, you get **70.5897, 0.2340, 0.3072**, and if you desaturate by 10%, it is **78.0429, 0.2551, 0.3153**.

Distribution



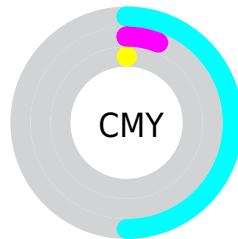
- Red (50%)
- Green (94%)
- Blue (100%)



- Red (50%)
- Yellow (73%)
- Blue (100%)



- Cyan (50%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0522, 0.2437, 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 74.0522, 0.2437, 0.3113 by changing the saturation by 10% instead.


 74.0522, 0.2437,
0.3113

 74.0522, 0.2437,
0.3113


474.6535, 0.2747,
0.3203


 54.8368, 0.2369,
0.3091


 124.9698, 0.2542,
0.3146

 39.2710, 0.2286,
0.3062


 157.4408, 0.2584,
0.3158

 26.9706, 0.2183,
0.3025


 195.0990, 0.2620,
0.3168

 17.5512, 0.2053,
0.2975

238.3290, 0.2652,
0.3177

 10.6282, 0.1883,
0.2904

287.5150, 0.2680,
0.3185

 5.8174, 0.1654,
0.2795

343.0415, 0.2704,

 2.7344, 0.1332,

0.3192

0.2618

405.2929, 0.2727,
0.3198

0.9947, 0.0593,
0.2361

0.0000, 0.0000,
0.0000

74.0522, 0.2437,
0.3113

74.0522, 0.2437,
0.3113

70.5897, 0.2340,
0.3072

78.0429, 0.2551,
0.3153

67.6116, 0.2262,
0.3031

82.5906, 0.2680,
0.3191

65.0759, 0.2204,
0.2989

87.7282, 0.2821,
0.3226

62.9304, 0.2165,
0.2948

93.4847, 0.2970,
0.3259

■ 61.1180, 0.2141,
0.2908

99.8869, 0.3125,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



74.0522, 0.2647, 0.3498



74.0522, 0.2437, 0.3113



74.0522, 0.2401, 0.2813

Triad

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



74.0522, 0.2437, 0.3113



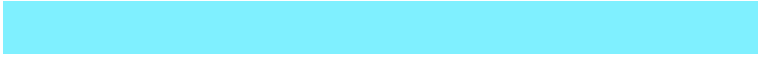
74.0522, 0.3229, 0.2818



74.0522, 0.3725, 0.3938

Complementary

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



74.0522, 0.2437, 0.3113



42.1635, 0.4478, 0.3448

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.



74.0522, 0.3908, 0.3706



74.0522, 0.2437, 0.3113



74.0522, 0.3614, 0.3076

Square

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



74.0522, 0.2437, 0.3113



74.0522, 0.2837, 0.2668



74.0522, 0.3869, 0.3393



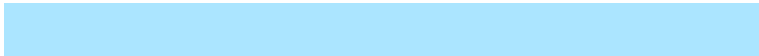
74.0522, 0.3385, 0.4001

Rectangle

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



74.0522, 0.2437, 0.3113



74.0522, 0.2475, 0.2694



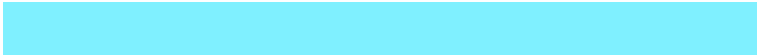
74.0522, 0.3869, 0.3393



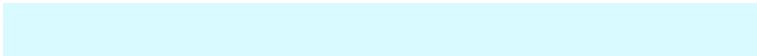
74.0522, 0.3807, 0.3875

Sweetspot

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



74.0541, 0.2437, 0.3113



90.6240, 0.2897, 0.3244



77.9905, 0.2986, 0.4714



19.1401, 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.



74.0541, 0.2437, 0.3113



70.6437, 0.2342, 0.3073



42.8318, 0.2279, 0.2305



20.0961, 0.2980, 0.3261



32.0801, 0.2143, 0.2915



3.2221, 0.2156, 0.2962

Inverse Universe

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



42.7483, 0.3318, 0.2197



36.8803, 0.3363, 0.2024



66.9180, 0.4105, 0.4092



18.2615, 0.3156, 0.3083



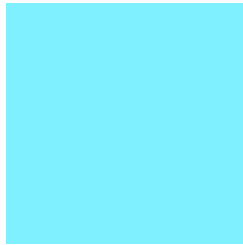
13.9665, 0.3530, 0.1718



1.3698, 0.3488, 0.1695

Previews

White Background



This preview shows how the Yxy color 74.0522, 0.2437, 0.3113 looks on a white background.

Color Contrast Check

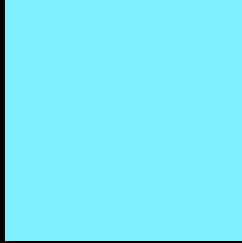
Large Text (above 18pt) WCAG AA × Fail

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 74.0522, 0.2437, 0.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

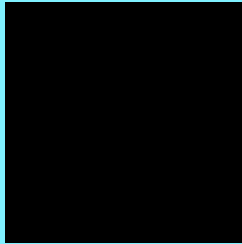
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.0522, 0.2437, 0.3113

Background



This preview shows how black text looks on a background with the Yxy color 74.0522, 0.2437, 0.3113.

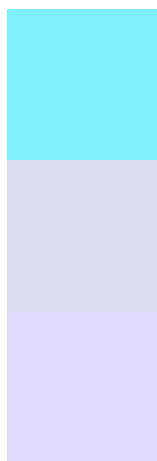


This preview shows how white text looks on a background with the Yxy color 74.0522, 0.2437, 0.3113.

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

74.0522, 0.2437, 0.3113

Protanopia

73.3996, 0.2979, 0.3057

Deuteranopia

73.3704, 0.2939, 0.2907



Tritanopia

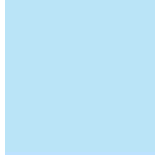
74.1199, 0.2494, 0.3093

Trichromacy



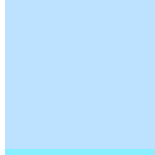
Original Color

74.0522, 0.2437, 0.3113



Protanomaly

72.6413, 0.2745, 0.3078



Deuteranomaly

72.4315, 0.2717, 0.2971



Tritanomaly

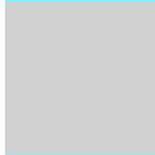
74.2714, 0.2475, 0.3103

Monochromacy



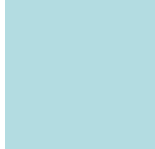
Original Color

74.0522, 0.2437, 0.3113



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

66.2063, 0.2819, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0522, 0.2437, 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(127, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.0522, 0.2437, 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(127, 240, 255) }
```

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

```
.border{ border-color:rgb(127, 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(127, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0522, 0.2437, 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(127, 240, 255) }
```

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

```
.background{ background-color: rgb(127,  
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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