

Converting Colors

$Y_{xy}(74.4925, 0.2454, 0.3116)$

Have a look what the booklet for
Yxy(74.4925, 0.2454, 0.3116)
contains.

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Color

Yxy(74.3655, 0.2453, 0.3114)

Conversions

Conversions Part 1

Format	Color
Hex	83F0FF
RGB	131, 240, 255
RGB Percent	51%, 94%, 100%
CMY	0.4859, 0.0589, 0.0000
CMYK	0.49, 0.06, 0.00, 0.00
HSL	187°, 100%, 76%
HSV	187°, 49%, 100%
XYZ	58.5801, 74.3655, 105.8646
YIQ	209.1190, -69.7790, -18.4430

Conversions

Conversions Part 2

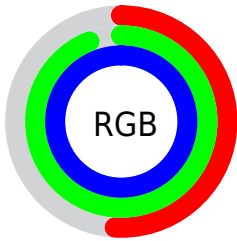
Format	Color
R _Y B	131, 189, 255
Decimal	8646911
CIE _{Lab}	89.09, -27.49, -16.94
CIE _{LCh}	89, 32.287, 211.639
Y _{xy}	74.3655, 0.2453, 0.3114
Android (android.graphics.Color)	4286836991 (0xFF83F0FF)
YUV	209.1190, 22.6193, -68.5104
Hunter-Lab	86.2354, -29.6561, -12.4209

Details

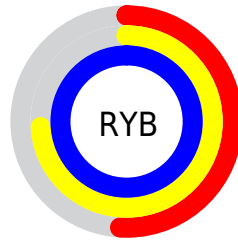
The Yxy color **74.3655, 0.2453, 0.3114** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.4894, 0.4412, 0.3449**, and the grayscale version is **63.7429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **39.5871, 0.2307, 0.3073** is the 20% darker color. If you saturate the color by 10%, you get **70.7726, 0.2353, 0.3072**, and if you desaturate by 10%, it is **78.4961, 0.2570, 0.3155**.

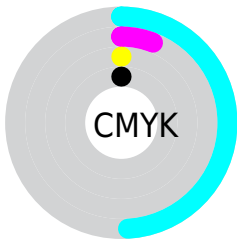
Distribution



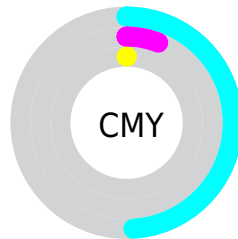
- Red (51%)
- Green (94%)
- Blue (100%)



- Red (51%)
- Yellow (74%)
- Blue (100%)



- Cyan (49%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.3655, 0.2453, 0.3114 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 74.3655, 0.2453, 0.3114 by changing the saturation by 10% instead.


 74.3655, 0.2453,
0.3114


 74.3655, 0.2453,
0.3114


475.7339, 0.2756,
0.3203

 55.0932, 0.2386,
0.3092


 125.4138, 0.2556,
0.3146

 39.4764, 0.2305,
0.3064


 157.9586, 0.2597,
0.3158

 27.1305, 0.2205,
0.3028


 195.6964, 0.2632,
0.3169

 17.6713, 0.2078,
0.2978

239.0116, 0.2663,
0.3178

 10.7142, 0.1911,
0.2908

288.2885, 0.2690,
0.3185

 5.8750, 0.1686,
0.2803

343.9116, 0.2714,

 2.7692, 0.1369,

0.3192

0.2629

406.2653, 0.2736,
0.3198

1.0125, 0.0670,
0.2372

0.0000, 0.0000,
0.0000

74.3655, 0.2453,
0.3114

74.3655, 0.2453,
0.3114

70.7726, 0.2353,
0.3072

78.4961, 0.2570,
0.3155

67.6713, 0.2271,
0.3029

83.1895, 0.2701,
0.3193

65.0216, 0.2209,
0.2986

88.4795, 0.2844,
0.3230

62.7729, 0.2167,
0.2944

94.3947, 0.2994,
0.3263

■ 60.8534, 0.2141,
0.2901

99.9994, 0.3127,
0.3290

■ 60.5947, 0.2138,
0.2896

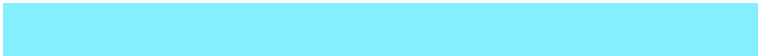
Harmonies

Analogous

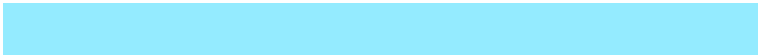
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.3655, 0.2656, 0.3488



74.3655, 0.2453, 0.3114



74.3655, 0.2420, 0.2823

Triad

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



74.3655, 0.2453, 0.3114



74.3655, 0.3231, 0.2833



74.3655, 0.3706, 0.3923

Complementary

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



74.3655, 0.2453, 0.3114



43.4894, 0.4412, 0.3449

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.



74.3655, 0.3886, 0.3699



74.3655, 0.2453, 0.3114



74.3655, 0.3605, 0.3086

Square

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



74.3655, 0.2453, 0.3114



74.3655, 0.2849, 0.2685



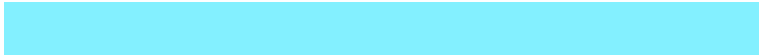
74.3655, 0.3851, 0.3395



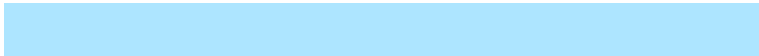
74.3655, 0.3374, 0.3980

Rectangle

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



74.3655, 0.2453, 0.3114



74.3655, 0.2494, 0.2708



74.3655, 0.3851, 0.3395



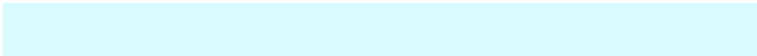
74.3655, 0.3787, 0.3863

Sweetspot

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



74.3684, 0.2453, 0.3114



90.5343, 0.2897, 0.3242



78.4090, 0.2990, 0.4662



19.1183, 0.2865, 0.3235



0.0000, 0.0000, 0.0000



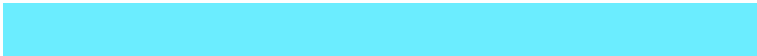
21.4041, 0.3127, 0.3290

Same Dimension

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



74.3684, 0.2453, 0.3114



70.9749, 0.2358, 0.3075



44.1309, 0.2307, 0.2342



20.0838, 0.2980, 0.3260



31.8133, 0.2140, 0.2903



3.1988, 0.2153, 0.2951

Inverse Universe

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



43.8098, 0.3315, 0.2231



37.9162, 0.3360, 0.2061



67.7684, 0.4069, 0.4069



18.2603, 0.3157, 0.3084



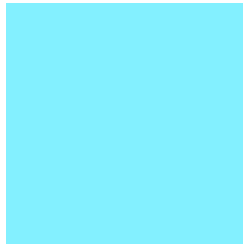
13.9395, 0.3541, 0.1724



1.3675, 0.3498, 0.1701

Previews

White Background



This preview shows how the Yxy color 74.3655, 0.2453, 0.3114 looks on a white background.

Color Contrast Check

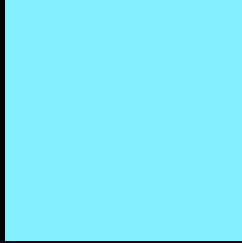
Large Text (above 18pt) WCAG AA × Fail

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 74.3655, 0.2453, 0.3114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

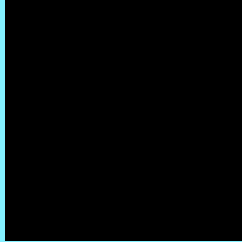
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.3655, 0.2453, 0.3114

Background



This preview shows how black text looks on a background with the Yxy color 74.3655, 0.2453, 0.3114.

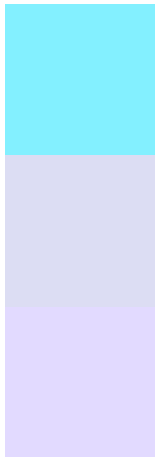


This preview shows how white text looks on a background with the Yxy color 74.3655, 0.2453, 0.3114.

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

74.3655, 0.2453, 0.3114

Protanopia

73.3996, 0.2979, 0.3057

Deuteranopia

73.5316, 0.2945, 0.2908



Tritanopia

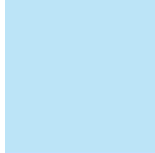
74.4801, 0.2512, 0.3094

Trichromacy



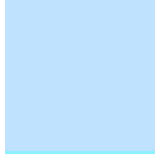
Original Color

74.3655, 0.2453, 0.3114



Protanomaly

72.8936, 0.2756, 0.3078



Deuteranomaly

72.6891, 0.2729, 0.2972



Tritanomaly

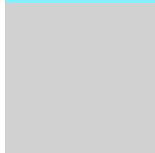
74.6157, 0.2492, 0.3104

Monochromacy



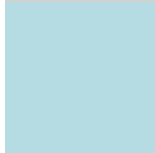
Original Color

74.3655, 0.2453, 0.3114



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

66.5011, 0.2826, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.3655, 0.2453, 0.3114 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(131, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.3655, 0.2453, 0.3114 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(131, 240, 255) }
```

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

```
.border{ border-color:rgb(131, 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(131, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.3655, 0.2453, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 240, 255) }
```

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

```
.background{ background-color: rgb(131,  
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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