

Converting Colors

$Y_{xy}(73.1940, 0.2427, 0.3099)$

Have a look what the booklet for
Yxy(73.1940, 0.2427, 0.3099)
contains.

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Color

Yxy(73.3130, 0.2427, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	7DEFFF
RGB	125, 239, 255
RGB Percent	49%, 94%, 100%
CMY	0.5096, 0.0628, 0.0000
CMYK	0.51, 0.06, 0.00, 0.00
HSL	187°, 100%, 75%
HSV	187°, 51%, 100%
XYZ	57.3785, 73.3130, 105.7258
YIQ	206.7380, -73.0800, -19.1920

Conversions

Conversions Part 2

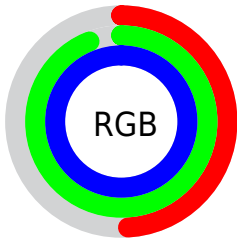
Format	Color
RYB	125, 186, 255
Decimal	8253439
CIELab	88.60, -28.27, -17.71
CIELCh	89, 33.359, 212.063
Yxy	73.3130, 0.2427, 0.3101
Android (android.graphics.Color)	4286443519 (0xFF7DEFFF)
YUV	206.7380, 23.7932, -71.6842
Hunter-Lab	85.6230, -30.2222, -13.2742

Details

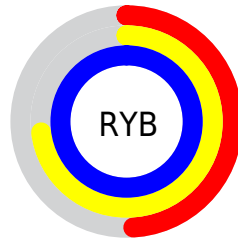
The Yxy color **73.3130, 0.2427, 0.3101** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.8060, 0.4506, 0.3458**, and the grayscale version is **62.1091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **38.9048, 0.2277, 0.3056** is the 20% darker color. If you saturate the color by 10%, you get **69.8137, 0.2331, 0.3058**, and if you desaturate by 10%, it is **77.3423, 0.2541, 0.3143**.

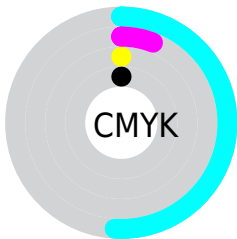
Distribution



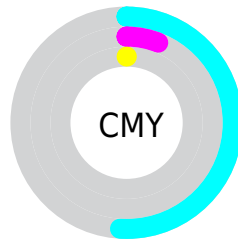
- Red (49%)
- Green (94%)
- Blue (100%)



- 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 73.3130, 0.2427, 0.3101 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 73.3130, 0.2427, 0.3101 by changing the saturation by 10% instead.


 73.3130, 0.2427,
0.3101


 73.3130, 0.2427,
0.3101


472.0989, 0.2742,
0.3197

 54.2319, 0.2358,
0.3077


 123.9215, 0.2534,
0.3136

 38.7871, 0.2274,
0.3047

 156.2176, 0.2576,
0.3149

 26.5942, 0.2169,
0.3008


 193.6876, 0.2613,
0.3160

 17.2687, 0.2037,
0.2955

236.7159, 0.2645,
0.3169

 10.4262, 0.1864,
0.2879

285.6867, 0.2673,
0.3178

 5.6825, 0.1630,
0.2764

340.9846, 0.2699,

 2.6530, 0.1304,

0.3185

0.2577

402.9938, 0.2721,
0.3191

0.9534, 0.0520,
0.2311

0.0000, 0.0000,
0.0000

73.3130, 0.2427,
0.3101

73.3130, 0.2427,
0.3101

69.8137, 0.2331,
0.3058

77.3423, 0.2541,
0.3143

66.7975, 0.2254,
0.3014

81.9279, 0.2669,
0.3183

64.2228, 0.2196,
0.2971

87.1041, 0.2809,
0.3220

62.0365, 0.2157,
0.2927

92.8998, 0.2958,
0.3255

■ 60.3184, 0.2136,
0.2889

99.3421, 0.3112,
0.3287

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



73.3130, 0.2634, 0.3490



73.3130, 0.2427, 0.3101



73.3130, 0.2395, 0.2801

Triad

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



73.3130, 0.2427, 0.3101



73.3130, 0.3241, 0.2820



73.3130, 0.3723, 0.3948

Complementary

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



73.3130, 0.2427, 0.3101



41.8060, 0.4506, 0.3458

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.



73.3130, 0.3913, 0.3717



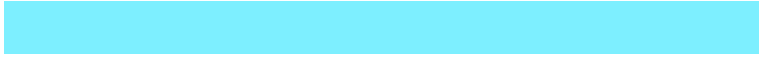
73.3130, 0.2427, 0.3101



73.3130, 0.3629, 0.3082

Square

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



73.3130, 0.2427, 0.3101



73.3130, 0.2843, 0.2665



73.3130, 0.3881, 0.3402



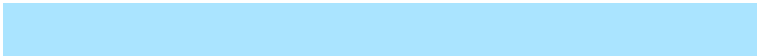
73.3130, 0.3377, 0.4007

Rectangle

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



73.3130, 0.2427, 0.3101



73.3130, 0.2474, 0.2684



73.3130, 0.3881, 0.3402



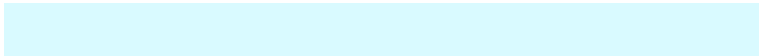
73.3130, 0.3808, 0.3886

Sweetspot

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



73.3158, 0.2427, 0.3101



90.4861, 0.2897, 0.3241



77.7789, 0.2985, 0.4740



19.1066, 0.2865, 0.3234



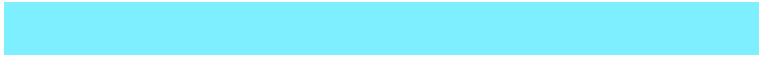
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

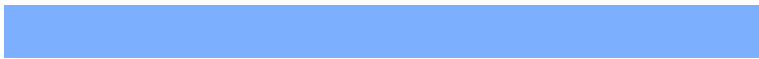
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3158, 0.2427, 0.3101



69.8045, 0.2330, 0.3058



42.1921, 0.2266, 0.2286



20.0773, 0.2980, 0.3260



31.6705, 0.2138, 0.2896



3.1863, 0.2151, 0.2945

Inverse Universe

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



42.1726, 0.3329, 0.2188



36.3168, 0.3377, 0.2015



66.4914, 0.4123, 0.4103



18.2596, 0.3157, 0.3084



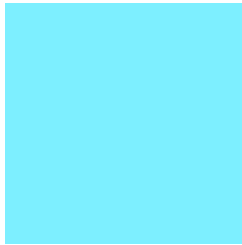
13.9251, 0.3547, 0.1728



1.3662, 0.3503, 0.1703

Previews

White Background



This preview shows how the Yxy color 73.3130, 0.2427, 0.3101 looks on a white background.

Color Contrast Check

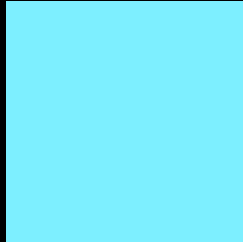
Large Text (above 18pt) WCAG AA × Fail

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 73.3130, 0.2427, 0.3101 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 73.3130, 0.2427, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 73.3130, 0.2427, 0.3101.

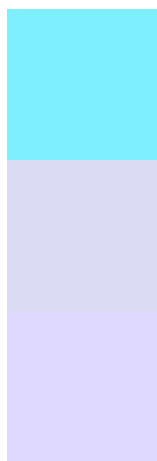


This preview shows how white text looks on a background with the Yxy color 73.3130, 0.2427, 0.3101.

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

73.3130, 0.2427, 0.3101

Protanopia

72.7175, 0.2973, 0.3045

Deuteranopia

72.5337, 0.2925, 0.2895



Tritanopia

73.1067, 0.2471, 0.3080

Trichromacy



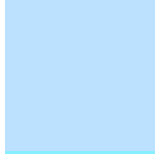
Original Color

73.3130, 0.2427, 0.3101



Protanomaly

71.9679, 0.2738, 0.3066



Deuteranomaly

71.6352, 0.2704, 0.2959



Tritanomaly

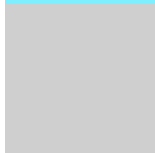
73.3556, 0.2456, 0.3091

Monochromacy



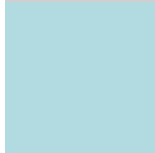
Original Color

73.3130, 0.2427, 0.3101



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 73.3130, 0.2427, 0.3101 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, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 239, 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, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.3130, 0.2427, 0.3101 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, 239, 255) }
```

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

```
.border{ border-color:rgb(125, 239, 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, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3130, 0.2427, 0.3101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 239, 255) }
```

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

```
.background{ background-color: rgb(125,  
239, 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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