

Converting Colors

$Yxy(73.3886, 0.2431, 0.3101)$

Have a look what the booklet for
Yxy(73.3886, 0.2431, 0.3101)
contains.

Yxy(73.3886, 0.2431, 0.3101)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.3886, 0.2431, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	7EEFFF
RGB	126, 239, 255
RGB Percent	49%, 94%, 100%
CMY	0.5054, 0.0628, 0.0000
CMYK	0.51, 0.06, 0.00, 0.00
HSL	187°, 100%, 75%
HSV	187°, 51%, 100%
XYZ	57.5323, 73.3886, 105.7402
YIQ	207.0370, -72.4840, -18.9800

Conversions

Conversions Part 2

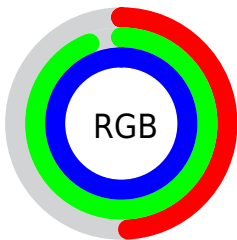
Format	Color
R_{YB}	126, 186, 255
Decimal	8318975
CIE _{Lab}	88.63, -28.05, -17.66
CIE _{LCh}	89, 33.142, 212.190
Yxy	73.3886, 0.2431, 0.3101
Android (android.graphics.Color)	4286509055 (0xFF7EEFFF)
YUV	207.0370, 23.6458, -71.0694
Hunter-Lab	85.6671, -30.0405, -13.2155

Details

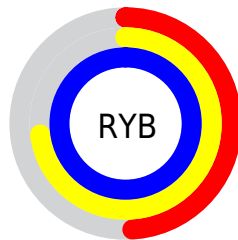
The Yxy color **73.3886, 0.2431, 0.3101** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.1520, 0.4488, 0.3458**, and the grayscale version is **62.3202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **38.9363, 0.2280, 0.3056** is the 20% darker color. If you saturate the color by 10%, you get **69.8531, 0.2334, 0.3058**, and if you desaturate by 10%, it is **77.4562, 0.2545, 0.3143**.

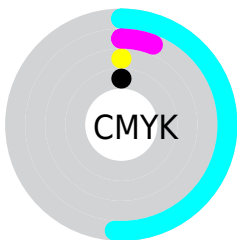
Distribution



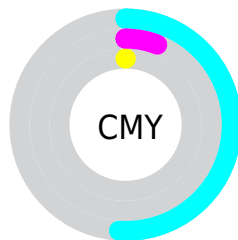
- Red (49%)
- Green (94%)
- Blue (100%)



- 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 73.3886, 0.2431, 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 73.3886, 0.2431, 0.3101 by changing the saturation by 10% instead.

 73.3886, 0.2431,
0.3101

 73.3886, 0.2431,
0.3101


472.3605, 0.2744,
0.3197


 54.2938, 0.2362,
0.3077


 124.0287, 0.2537,
0.3136

 38.8366, 0.2278,
0.3047


 156.3428, 0.2579,
0.3149

 26.6326, 0.2175,
0.3008


 193.8321, 0.2616,
0.3160

 17.2975, 0.2043,
0.2955


236.8810, 0.2648,
0.3169

 10.4468, 0.1871,
0.2880

285.8739, 0.2676,
0.3178

 5.6962, 0.1638,
0.2766

341.1952, 0.2701,

 2.6613, 0.1313,

0.3185

0.2579

403.2293, 0.2724,
0.3191

0.9576, 0.0540,
0.2313

0.0000, 0.0000,
0.0000

73.3886, 0.2431,
0.3101

73.3886, 0.2431,
0.3101

69.8531, 0.2334,
0.3058

77.4562, 0.2545,
0.3143

66.8030, 0.2256,
0.3014

82.0821, 0.2674,
0.3183

64.1970, 0.2197,
0.2969

87.3004, 0.2815,
0.3221

61.9824, 0.2158,
0.2926

93.1401, 0.2964,
0.3256

■ 60.1689, 0.2135,
0.2885

99.6281, 0.3119,
0.3288

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.



73.3886, 0.2636, 0.3487



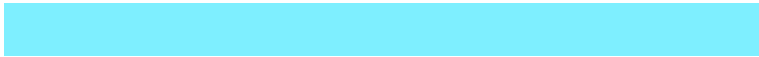
73.3886, 0.2431, 0.3101



73.3886, 0.2400, 0.2804

Triad

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



73.3886, 0.2431, 0.3101



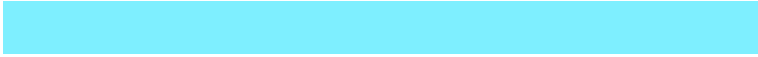
73.3886, 0.3242, 0.2824



73.3886, 0.3718, 0.3945

Complementary

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



73.3886, 0.2431, 0.3101



42.1520, 0.4488, 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.



73.3886, 0.3908, 0.3716



73.3886, 0.2431, 0.3101



73.3886, 0.3627, 0.3085

Square

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



73.3886, 0.2431, 0.3101



73.3886, 0.2847, 0.2669



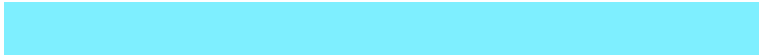
73.3886, 0.3876, 0.3403



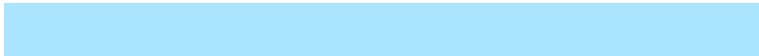
73.3886, 0.3374, 0.4002

Rectangle

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



73.3886, 0.2431, 0.3101



73.3886, 0.2479, 0.2688



73.3886, 0.3876, 0.3403



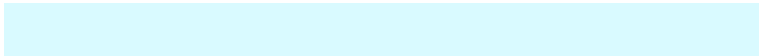
73.3886, 0.3803, 0.3883

Sweetspot

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



73.3914, 0.2431, 0.3101



90.4593, 0.2897, 0.3241



77.8918, 0.2986, 0.4727



19.1000, 0.2865, 0.3233



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.



73.3914, 0.2431, 0.3101



69.7037, 0.2330, 0.3056



42.5269, 0.2273, 0.2296



20.0736, 0.2980, 0.3260



31.5911, 0.2137, 0.2892



3.1793, 0.2151, 0.2942

Inverse Universe

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



42.4421, 0.3328, 0.2197



36.3066, 0.3379, 0.2016



66.7164, 0.4114, 0.4097



18.2592, 0.3157, 0.3084



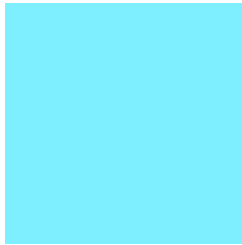
13.9171, 0.3551, 0.1730



1.3655, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 73.3886, 0.2431, 0.3101 looks on a white background.

Color Contrast Check

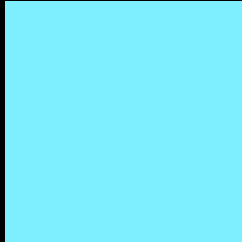
Large Text (above 18pt) WCAG AA × Fail

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 73.3886, 0.2431, 0.3101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

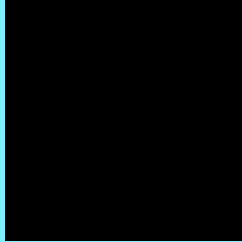
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.3886, 0.2431, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 73.3886, 0.2431, 0.3101.

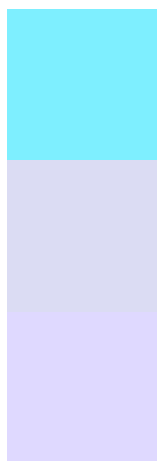


This preview shows how white text looks on a background with the Yxy color 73.3886, 0.2431, 0.3101.

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

73.3886, 0.2431, 0.3101

Protanopia

72.7175, 0.2973, 0.3045

Deuteranopia

72.5337, 0.2925, 0.2895



Tritanopia

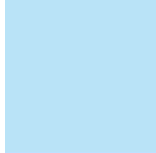
73.1916, 0.2475, 0.3080

Trichromacy



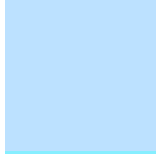
Original Color

73.3886, 0.2431, 0.3101



Protanomaly

71.9679, 0.2738, 0.3066



Deuteranomaly

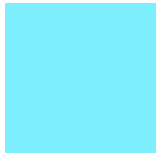
71.7618, 0.2710, 0.2960



Tritanomaly

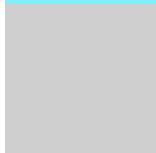
73.4374, 0.2460, 0.3091

Monochromacy



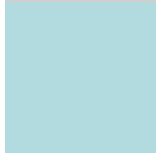
Original Color

73.3886, 0.2431, 0.3101



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

65.5098, 0.2818, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3886, 0.2431, 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(126, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.3886, 0.2431, 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(126, 239, 255) }
```

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

```
.border{ border-color:rgb(126, 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(126, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3886, 0.2431, 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(126, 239, 255) }
```

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

```
.background{ background-color: rgb(126,  
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](#).

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