

Converting Colors

$Yxy(71.5707, 0.2410, 0.3068)$

Have a look what the booklet for
Yxy(71.5707, 0.2410, 0.3068)
contains.

Yxy(71.3485, 0.2408, 0.3064)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.3485, 0.2408, 0.3064)

Conversions

Conversions Part 1

Format	Color
Hex	7AECFF
RGB	122, 236, 255
RGB Percent	48%, 93%, 100%
CMY	0.5216, 0.0745, 0.0000
CMYK	0.52, 0.07, 0.00, 0.00
HSL	189°, 100%, 74%
HSV	189°, 52%, 100%
XYZ	56.0728, 71.3485, 105.4393
YIQ	204.0800, -74.0430, -18.2590

Conversions

Conversions Part 2

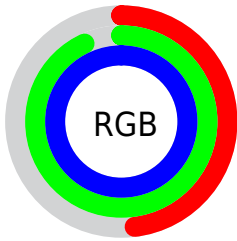
Format	Color
RYB	122, 183, 255
Decimal	8056063
CIELab	87.65, -27.44, -19.15
CIELCh	88, 33.462, 214.921
Yxy	71.3485, 0.2408, 0.3064
Android (android.graphics.Color)	4286246143 (0xFF7AECFF)
YUV	204.0800, 25.1036, -71.9842
Hunter-Lab	84.4680, -29.3245, -14.8826

Details

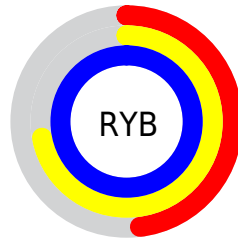
The Yxy color **71.3485, 0.2408, 0.3064** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.7130, 0.4538, 0.3488**, and the grayscale version is **60.3102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **37.5320, 0.2251, 0.3007** is the 20% darker color. If you saturate the color by 10%, you get **67.6504, 0.2311, 0.3014**, and if you desaturate by 10%, it is **75.5805, 0.2522, 0.3113**.

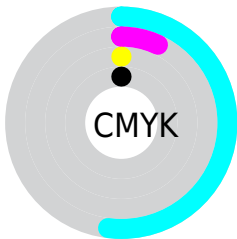
Distribution



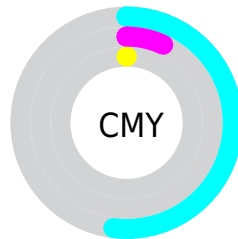
- Red (48%)
- Green (93%)
- Blue (100%)



- Red (48%)
- Yellow (72%)
- Blue (100%)



- Cyan (52%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (52%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3485, 0.2408, 0.3064 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 71.3485, 0.2408, 0.3064 by changing the saturation by 10% instead.

 71.3485, 0.2408,
0.3064


 71.3485, 0.2408,
0.3064


465.2708, 0.2732,
0.3178


 52.6266, 0.2336,
0.3036


 121.1298, 0.2519,
0.3105

 37.5048, 0.2249,
0.3001


 152.9581, 0.2562,
0.3121

 25.5986, 0.2141,
0.2955


 189.9239, 0.2600,
0.3134

 16.5236, 0.2004,
0.2893

232.4117, 0.2633,
0.3145

 9.8954, 0.1825,
0.2805

280.8059, 0.2662,
0.3155

 5.3297, 0.1583,
0.2672

335.4909, 0.2688,

 2.4420, 0.1245,

0.3163

0.2458

396.8511, 0.2711,
0.3171

0.8474, 0.0346,
0.2165

0.0000, 0.0000,
0.0000

71.3485, 0.2408,
0.3064

71.3485, 0.2408,
0.3064

67.6504, 0.2311,
0.3014

75.5805, 0.2522,
0.3113

64.4425, 0.2234,
0.2963

80.3772, 0.2650,
0.3160

61.6809, 0.2176,
0.2911

85.7719, 0.2791,
0.3204

59.3111, 0.2137,
0.2861

91.7939, 0.2939,
0.3245

■ 57.6631, 0.2117,
0.2821

■ 98.4707, 0.3093,
0.3282

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.



71.3485, 0.2601, 0.3454



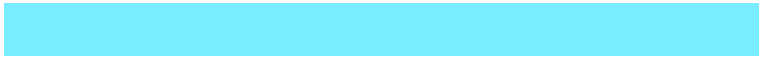
71.3485, 0.2408, 0.3064



71.3485, 0.2393, 0.2774

Triad

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



71.3485, 0.2408, 0.3064



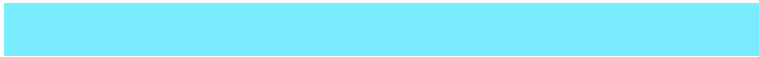
71.3485, 0.3282, 0.2836



71.3485, 0.3702, 0.3971

Complementary

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



71.3485, 0.2408, 0.3064



41.7130, 0.4538, 0.3488

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.



71.3485, 0.3914, 0.3749



71.3485, 0.2408, 0.3064



71.3485, 0.3667, 0.3109

Square

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



71.3485, 0.2408, 0.3064



71.3485, 0.2875, 0.2667



71.3485, 0.3904, 0.3435



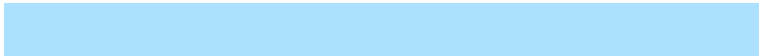
71.3485, 0.3342, 0.4010

Rectangle

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



71.3485, 0.2408, 0.3064



71.3485, 0.2484, 0.2666



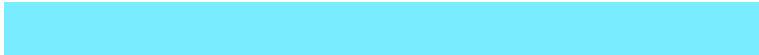
71.3485, 0.3904, 0.3435



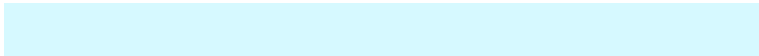
71.3485, 0.3794, 0.3913

Sweetspot

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



71.3499, 0.2408, 0.3064



89.4043, 0.2881, 0.3230



77.5429, 0.2972, 0.4753



18.8705, 0.2851, 0.3221



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.



71.3499, 0.2408, 0.3064



67.3619, 0.2304, 0.3010



40.3943, 0.2240, 0.2229



20.0130, 0.2980, 0.3255



30.2997, 0.2119, 0.2830



3.0660, 0.2135, 0.2887

Inverse Universe

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



41.2346, 0.3359, 0.2187



35.1571, 0.3419, 0.2009



66.9196, 0.4139, 0.4141



18.2531, 0.3160, 0.3089



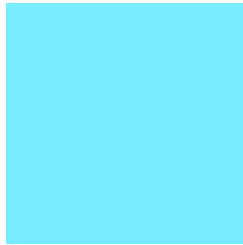
13.7867, 0.3607, 0.1761



1.3541, 0.3555, 0.1732

Previews

White Background



This preview shows how the Yxy color 71.3485, 0.2408, 0.3064 looks on a white background.

Color Contrast Check

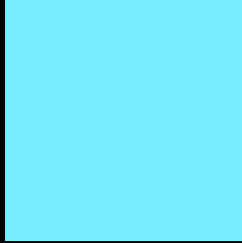
Large Text (above 18pt) WCAG AA × Fail

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 71.3485, 0.2408, 0.3064 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 71.3485, 0.2408, 0.3064

Background



This preview shows how black text looks on a background with the Yxy color 71.3485, 0.2408, 0.3064.

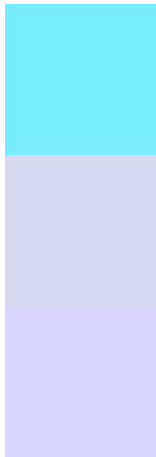


This preview shows how white text looks on a background with the Yxy color 71.3485, 0.2408, 0.3064.

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

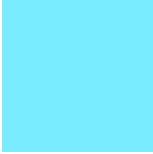
71.3485, 0.2408, 0.3064

Protanopia

70.5438, 0.2945, 0.3010

Deuteranopia

70.3732, 0.2897, 0.2859



Tritanopia

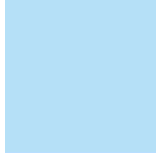
71.3485, 0.2408, 0.3064

Trichromacy



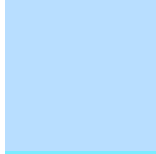
Original Color

71.3485, 0.2408, 0.3064



Protanomaly

69.8505, 0.2711, 0.3030



Deuteranomaly

69.6529, 0.2683, 0.2923



Tritanomaly

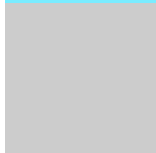
71.3485, 0.2408, 0.3064

Monochromacy



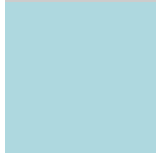
Original Color

71.3485, 0.2408, 0.3064



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.4381, 0.2796, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3485, 0.2408, 0.3064 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(122, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 236, 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(122, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.3485, 0.2408, 0.3064 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(122, 236, 255) }
```

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

```
.border{ border-color:rgb(122, 236, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(122, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3485, 0.2408, 0.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 236, 255) }
```

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

```
.background{ background-color: rgb(122,  
236, 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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