

Converting Colors

$Y_{xy}(71.2399, 0.2376, 0.3132)$

Have a look what the booklet for
Yxy(71.2399, 0.2376, 0.3132)
contains.

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Color

Yxy(71.2399, 0.2376, 0.3132)

Conversions

Conversions Part 1

Format	Color
Hex	6BEEFB
RGB	107, 238, 251
RGB Percent	42%, 93%, 98%
CMY	0.5807, 0.0666, 0.0157
CMYK	0.57, 0.05, 0.00, 0.02
HSL	185°, 95%, 70%
HSV	185°, 57%, 98%
XYZ	54.0441, 71.2399, 102.1742
YIQ	200.3130, -82.2490, -23.7290

Conversions

Conversions Part 2

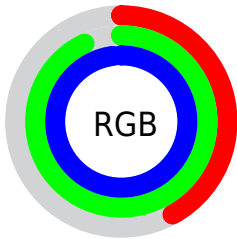
Format	Color
RYB	107, 176, 251
Decimal	7073531
CIELab	87.60, -32.33, -17.18
CIELCh	88, 36.612, 207.989
Yxy	71.2399, 0.2376, 0.3132
Android (android.graphics.Color)	4285263611 (0xFF6BEEFB)
YUV	200.3130, 24.9887, -81.8355
Hunter-Lab	84.4037, -33.4122, -12.6904

Details

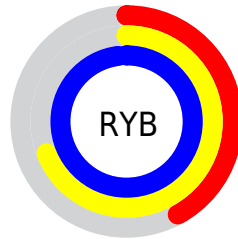
The Yxy color **71.2399, 0.2376, 0.3132** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.9849, 0.4809, 0.3424**, and the grayscale version is **57.8329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **37.5576, 0.2215, 0.3096** is the 20% darker color. If you saturate the color by 10%, you get **68.5972, 0.2296, 0.3101**, and if you desaturate by 10%, it is **74.3559, 0.2475, 0.3163**.

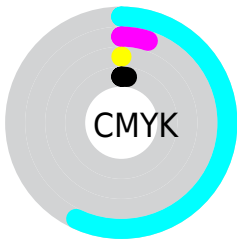
Distribution



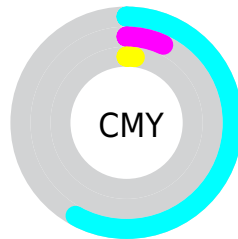
- Red (42%)
- Green (93%)
- Blue (98%)



- Red (42%)
- Yellow (69%)
- Blue (98%)



- Cyan (57%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)





- Cyan (58%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.2399, 0.2376, 0.3132 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 71.2399, 0.2376, 0.3132 by changing the saturation by 10% instead.


 71.2399, 0.2376,
0.3132

 71.2399, 0.2376,
0.3132


464.8916, 0.2715,
0.3215

 52.5380, 0.2301,
0.3111


 120.9753, 0.2491,
0.3163

 37.4341, 0.2210,
0.3083


 152.7775, 0.2537,
0.3174

 25.5438, 0.2098,
0.3047


 189.7153, 0.2576,
0.3184

 16.4826, 0.1955,
0.2996

232.1731, 0.2611,
0.3192

 9.8663, 0.1768,
0.2923

280.5352, 0.2641,
0.3199

 5.3104, 0.1516,
0.2810

335.1861, 0.2668,

 2.4305, 0.1167,

0.3205

0.2619

396.5101, 0.2693,
0.3211

0.8415, 0.0030,
0.2411

0.0000, 0.0000,
0.0000

71.2399, 0.2376,
0.3132

71.2399, 0.2376,
0.3132

68.5972, 0.2296,
0.3101

74.3559, 0.2475,
0.3163

66.3792, 0.2236,
0.3069

77.9726, 0.2590,
0.3193

64.5413, 0.2195,
0.3038

82.1247, 0.2720,
0.3221

63.0215, 0.2171,
0.3007

86.8415, 0.2862,
0.3248

■ 62.6544, 0.2167,
0.2999

■ 92.1502, 0.3012,
0.3273

■ 97.5930, 0.3152,
0.3296

■ 99.0205, 0.3151,
0.3317

■ 99.7455, 0.3150,
0.3328

Harmonies

Analogous

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



71.2399, 0.2626, 0.3570



71.2399, 0.2376, 0.3132



71.2399, 0.2315, 0.2783

Triad

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



71.2399, 0.2376, 0.3132



71.2399, 0.3189, 0.2742



71.2399, 0.3825, 0.3990

Complementary

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



71.2399, 0.2376, 0.3132



34.9849, 0.4809, 0.3424

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.



71.2399, 0.4008, 0.3712



71.2399, 0.2376, 0.3132



71.2399, 0.3630, 0.3015

Square

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



71.2399, 0.2376, 0.3132



71.2399, 0.2759, 0.2592



71.2399, 0.3939, 0.3360



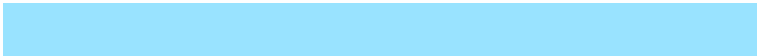
71.2399, 0.3458, 0.4093

Rectangle

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



71.2399, 0.2376, 0.3132



71.2399, 0.2384, 0.2641



71.2399, 0.3939, 0.3360



71.2399, 0.3912, 0.3912

Sweetspot

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



71.2426, 0.2376, 0.3132



90.2156, 0.2868, 0.3249



73.4508, 0.2993, 0.5009



19.0881, 0.2838, 0.3244



0.0000, 0.0000, 0.0000



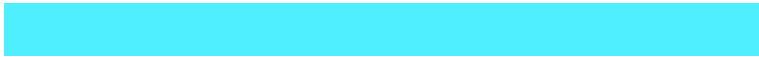
21.4041, 0.3127, 0.3290

Same Dimension

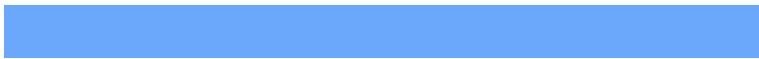
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.2426, 0.2376, 0.3132



70.6932, 0.2285, 0.3095



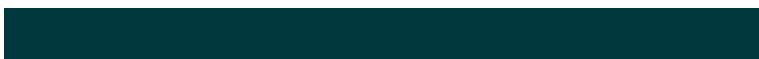
37.7095, 0.2173, 0.2198



19.3250, 0.2980, 0.3268



33.0442, 0.2168, 0.3004



3.1365, 0.2178, 0.3041

Inverse Universe

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



37.1844, 0.3313, 0.2037



33.0988, 0.3355, 0.1862



58.8208, 0.4303, 0.4145



17.4960, 0.3152, 0.3077



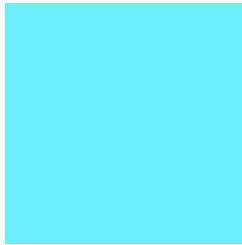
13.7467, 0.3450, 0.1674



1.2809, 0.3418, 0.1657

Previews

White Background



This preview shows how the Yxy color 71.2399, 0.2376, 0.3132 looks on a white background.

Color Contrast Check

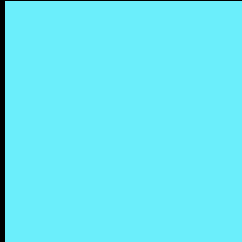
Large Text (above 18pt) WCAG AA × Fail

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 71.2399, 0.2376, 0.3132 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 71.2399, 0.2376, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 71.2399, 0.2376, 0.3132.

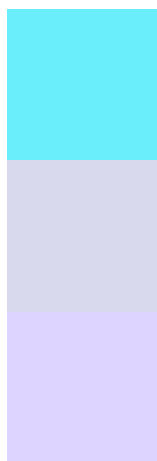


This preview shows how white text looks on a background with the Yxy color 71.2399, 0.2376, 0.3132.

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

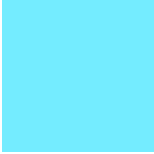
71.2399, 0.2376, 0.3132

Protanopia

70.3391, 0.2990, 0.3074

Deuteranopia

70.1807, 0.2911, 0.2850



Tritanopia

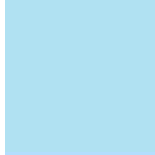
70.9239, 0.2386, 0.3063

Trichromacy



Original Color

71.2399, 0.2376, 0.3132



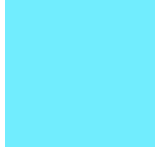
Protanomaly

69.4913, 0.2710, 0.3095



Deuteranomaly

69.1016, 0.2666, 0.2931



Tritanomaly

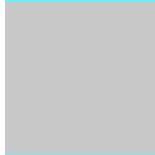
71.2348, 0.2382, 0.3086

Monochromacy



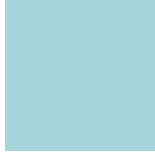
Original Color

71.2399, 0.2376, 0.3132



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

61.3146, 0.2767, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2399, 0.2376, 0.3132 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(107, 238, 251)` looks like.

```
.text, #text, p{  
    color:rgb(107, 238, 251)  
}
```

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(107, 238, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 238, 251) }
```

Border

The CSS property to change the border of an element to Yxy 71.2399, 0.2376, 0.3132 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(107, 238, 251) }
```

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

```
.border{ border-color:rgb(107, 238, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 238, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 238, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 238, 251);  
box-shadow:4px 4px 4px 4px rgb(107, 238,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2399, 0.2376, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 238, 251) }
```

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

```
.background{ background-color: rgb(107,  
238, 251) }
```

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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