

Converting Colors

$Y_{xy}(43.7759, 0.2393, 0.2658)$

Have a look what the booklet for
Yxy(43.7759, 0.2393, 0.2658)
contains.

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Color

Yxy(43.7911, 0.2395, 0.2663)

Conversions

Conversions Part 1

Format	Color
Hex	7BB7E6
RGB	123, 183, 230
RGB Percent	48%, 72%, 90%
CMY	0.5178, 0.2823, 0.0979
CMYK	0.47, 0.20, 0.00, 0.10
HSL	206°, 68%, 69%
HSV	206°, 47%, 90%
XYZ	39.3840, 43.7911, 81.2676
YIQ	170.4180, -50.8470, 1.8970

Conversions

Conversions Part 2

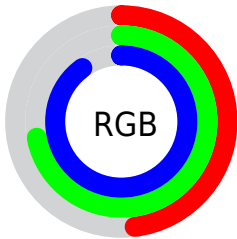
Format	Color
RYB	123, 161, 230
Decimal	8108006
CIELab	72.09, -6.93, -29.54
CIELCh	72, 30.344, 256.796
Yxy	43.7911, 0.2395, 0.2663
Android (android.graphics.Color)	4286298086 (0xFF7BB7E6)
YUV	170.4180, 29.3739, -41.5856
Hunter-Lab	66.1748, -9.5715, -26.4901

Details

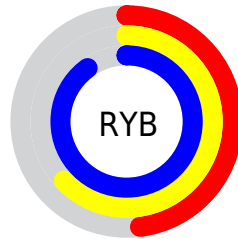
The Yxy color **43.7911, 0.2395, 0.2663** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.0043, 0.4122, 0.3830**, and the grayscale version is **40.2845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6563, 0.2682, 0.3114**, and **20.1795, 0.2205, 0.2490** is the 20% darker color. If you saturate the color by 10%, you get **38.2718, 0.2250, 0.2498**, and if you desaturate by 10%, it is **50.0115, 0.2550, 0.2819**.

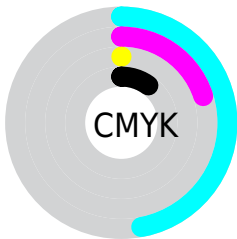
Distribution



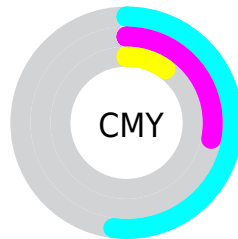
- Red (48%)
- Green (72%)
- Blue (90%)



- Red (48%)
- Yellow (63%)
- Blue (90%)



- Cyan (47%)
- Magenta (20%)
- Yellow (0%)
- Black (10%)





- Cyan (52%)
- Magenta (28%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7911, 0.2395, 0.2663 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 43.7911, 0.2395, 0.2663 by changing the saturation by 10% instead.


 43.7911, 0.2395,
0.2663

 43.7911, 0.2395,
0.2663

361.8551, 0.2753,
0.2977


 30.5063, 0.2309,
0.2586


 80.9033, 0.2523,
0.2776

 20.2232, 0.2201,
0.2488


 105.4995, 0.2572,
0.2819

 12.5574, 0.2061,
0.2359


 134.6350, 0.2613,
0.2856

 7.1245, 0.1876,
0.2186

168.6941, 0.2649,
0.2887

 3.5401, 0.1620,
0.1940

208.0613, 0.2680,
0.2914

 1.4198, 0.1256,
0.1577

253.1209, 0.2708,

 0.2312, 0.0152,

0.2937

0.0694

304.2574, 0.2732,
0.2958

0.0000, 0.0000,
0.0000

43.7911, 0.2395,
0.2663

43.7911, 0.2395,
0.2663

38.2718, 0.2250,
0.2498

50.0115, 0.2550,
0.2819

33.4139, 0.2118,
0.2328

56.9596, 0.2709,
0.2964

29.1808, 0.2005,
0.2155

64.6664, 0.2869,
0.3097

25.5280, 0.1913,
0.1984

73.1594, 0.3026,
0.3218

22.4015, 0.1844,
0.1819

82.4644, 0.3179,
0.3326

■ 21.4160, 0.1823,
0.1764

■ 91.4539, 0.3285,
0.3423

■ 97.6898, 0.3275,
0.3520

■ 98.4954, 0.3273,
0.3532

Harmonies

Analogous

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



43.7911, 0.2334, 0.2907



43.7911, 0.2395, 0.2663



43.7911, 0.2638, 0.2592

Triad

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



43.7911, 0.2395, 0.2663



43.7911, 0.3829, 0.3229



43.7911, 0.3183, 0.4009

Complementary

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



43.7911, 0.2395, 0.2663



47.0043, 0.4122, 0.3830

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.



43.7911, 0.3599, 0.4062



43.7911, 0.2395, 0.2663



43.7911, 0.3991, 0.3579

Square

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



43.7911, 0.2395, 0.2663



43.7911, 0.3465, 0.2911



43.7911, 0.3901, 0.3887



43.7911, 0.2769, 0.3715

Rectangle

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



43.7911, 0.2395, 0.2663



43.7911, 0.2883, 0.2636



43.7911, 0.3901, 0.3887



43.7911, 0.3327, 0.4056

Sweetspot

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



43.7927, 0.2395, 0.2663



84.2470, 0.2908, 0.3128



63.7013, 0.2816, 0.4108



17.5510, 0.2874, 0.3101



0.0000, 0.0000, 0.0000



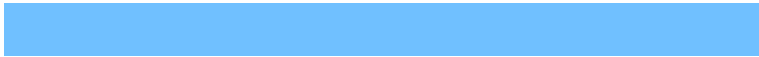
21.4041, 0.3127, 0.3290

Same Dimension

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



43.7927, 0.2395, 0.2663



48.4997, 0.2253, 0.2502



25.9141, 0.2261, 0.1925



15.2213, 0.2981, 0.3184



12.3677, 0.1830, 0.1789



1.0982, 0.1897, 0.2028

Inverse Universe

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



34.4040, 0.3669, 0.2615



36.7107, 0.3839, 0.2490



70.9805, 0.3847, 0.4363



14.5027, 0.3205, 0.3159



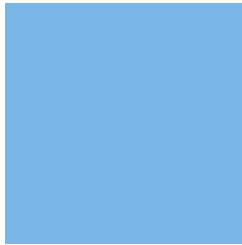
10.4462, 0.4698, 0.2362



0.7905, 0.4421, 0.2209

Previews

White Background



This preview shows how the Yxy color 43.7911, 0.2395, 0.2663 looks on a white background.

Color Contrast Check

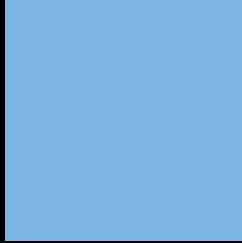
Large Text (above 18pt) WCAG AA × Fail

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 43.7911, 0.2395, 0.2663 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 43.7911, 0.2395, 0.2663

Background



This preview shows how black text looks on a background with the Yxy color 43.7911, 0.2395, 0.2663.



This preview shows how white text looks on a background with the Yxy color 43.7911, 0.2395, 0.2663.

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

43.7911, 0.2395, 0.2663

Protanopia

43.5464, 0.2676, 0.2654

Deuteranopia

43.3947, 0.2609, 0.2550



Tritanopia

43.9231, 0.2509, 0.3075

Trichromacy



Original Color

43.7911, 0.2395, 0.2663

Protanomaly

43.3248, 0.2563, 0.2653

Deuteranomaly

43.5097, 0.2527, 0.2595

Tritanomaly

43.7735, 0.2465, 0.2913

Monochromacy



Original Color

43.7911, 0.2395, 0.2663

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.2380, 0.2812, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7911, 0.2395, 0.2663 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(123, 183, 230)` looks like.

```
.text, #text, p{  
    color:rgb(123, 183, 230)  
}
```

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(123, 183, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 183, 230) }
```

Border

The CSS property to change the border of an element to Yxy 43.7911, 0.2395, 0.2663 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(123, 183, 230) }
```

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

```
.border{ border-color:rgb(123, 183, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 183, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 183, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 183, 230);  
box-shadow:4px 4px 4px 4px rgb(123, 183,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7911, 0.2395, 0.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 183, 230) }
```

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

```
.background{ background-color: rgb(123,  
183, 230) }
```

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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