

Converting Colors

$Y_{xy}(47.9838, 0.2429, 0.2837)$

Have a look what the booklet for
Yxy(47.9838, 0.2429, 0.2837)
contains.

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Color

Yxy(47.8236, 0.2430, 0.2838)

Conversions

Conversions Part 1

Format	Color
Hex	7AC1E3
RGB	122, 193, 227
RGB Percent	48%, 76%, 89%
CMY	0.5220, 0.2430, 0.1098
CMYK	0.46, 0.15, 0.00, 0.11
HSL	199°, 65%, 68%
HSV	199°, 46%, 89%
XYZ	40.9483, 47.8236, 79.7397
YIQ	175.6470, -53.2300, -4.4780

Conversions

Conversions Part 2

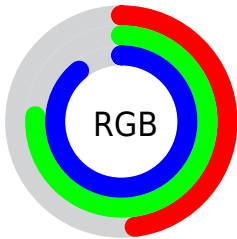
Format	Color
RYB	122, 164, 227
Decimal	8045027
CIELab	74.71, -13.37, -23.87
CIELCh	75, 27.363, 240.741
Yxy	47.8236, 0.2430, 0.2838
Android (android.graphics.Color)	4286235107 (0xFF7AC1E3)
YUV	175.6470, 25.3170, -47.0484
Hunter-Lab	69.1546, -15.3259, -19.9569

Details

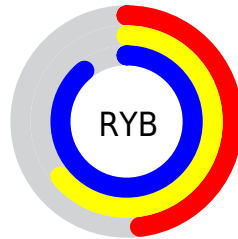
The Yxy color **47.8236, 0.2430, 0.2838** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.4626, 0.4185, 0.3688**, and the grayscale version is **43.0981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5551, 0.2689, 0.3224**, and **22.5338, 0.2245, 0.2692** is the 20% darker color. If you saturate the color by 10%, you get **43.1949, 0.2300, 0.2720**, and if you desaturate by 10%, it is **53.0036, 0.2572, 0.2950**.

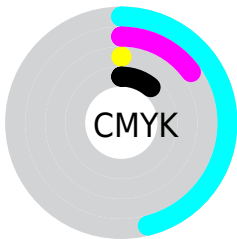
Distribution



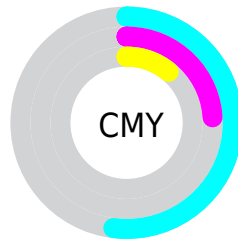
- Red (48%)
- Green (76%)
- Blue (89%)



- Red (48%)
- Yellow (64%)
- Blue (89%)



- Cyan (46%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (52%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8236, 0.2430, 0.2838 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 47.8236, 0.2430, 0.2838 by changing the saturation by 10% instead.

■ 47.8236, 0.2430,
0.2838

■ 47.8236, 0.2430,
0.2838

■ 378.0925, 0.2767,
0.3066

■ 33.6872, 0.2350,
0.2781

■ 86.9417, 0.2549,
0.2921

■ 22.6534, 0.2250,
0.2708

■ 112.6922, 0.2595,
0.2952

■ 14.3378, 0.2121,
0.2612

■ 143.0829, 0.2634,
0.2979

■ 8.3560, 0.1950,
0.2480

■ 178.4981, 0.2668,
0.3001

■ 4.3236, 0.1715,
0.2289

■ 219.3223, 0.2698,
0.3021

■ 1.8562, 0.1377,
0.1994

■ 265.9398, 0.2723,

■ 0.5218, 0.0475,

0.3038

0.1461

318.7351, 0.2746,
0.3053

0.0000, 0.0000,
0.0000

47.8236, 0.2430,
0.2838

47.8236, 0.2430,
0.2838

43.1949, 0.2300,
0.2720

53.0036, 0.2572,
0.2950

39.0826, 0.2185,
0.2598

58.7566, 0.2721,
0.3055

35.4550, 0.2089,
0.2474

65.1091, 0.2875,
0.3151

32.2737, 0.2013,
0.2350

72.0843, 0.3030,
0.3239

29.4910, 0.1957,
0.2227

79.7041, 0.3184,
0.3318

■ 28.5338, 0.1940,
0.2183

■ 87.3988, 0.3312,
0.3390

■ 91.7356, 0.3304,
0.3461

■ 96.2483, 0.3295,
0.3531

■ 98.3257, 0.3292,
0.3562

Harmonies

Analogous

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



47.8236, 0.2468, 0.3128



47.8236, 0.2430, 0.2838



47.8236, 0.2563, 0.2689

Triad

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



47.8236, 0.2430, 0.2838



47.8236, 0.3587, 0.3081



47.8236, 0.3381, 0.3968

Complementary

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



47.8236, 0.2430, 0.2838



41.4626, 0.4185, 0.3688

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.



47.8236, 0.3704, 0.3907



47.8236, 0.2430, 0.2838



47.8236, 0.3833, 0.3385

Square

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



47.8236, 0.2430, 0.2838



47.8236, 0.3218, 0.2834



47.8236, 0.3874, 0.3685



47.8236, 0.3004, 0.3818

Rectangle

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



47.8236, 0.2430, 0.2838



47.8236, 0.2736, 0.2675



47.8236, 0.3874, 0.3685



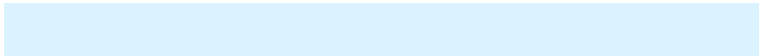
47.8236, 0.3500, 0.3970

Sweetspot

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



47.8254, 0.2430, 0.2838



86.7044, 0.2909, 0.3171



61.4363, 0.2883, 0.4278



18.1510, 0.2876, 0.3152



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.



47.8254, 0.2430, 0.2838



56.2031, 0.2299, 0.2719



28.7723, 0.2298, 0.2104



15.5098, 0.2981, 0.3212



16.8624, 0.1945, 0.2201



1.4128, 0.1994, 0.2379

Inverse Universe

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



34.0734, 0.3526, 0.2490



37.4883, 0.3650, 0.2337



62.7096, 0.3901, 0.4242



14.5318, 0.3187, 0.3132



10.9000, 0.4231, 0.2105



0.8223, 0.4045, 0.2002

Previews

White Background



This preview shows how the Yxy color 47.8236, 0.2430, 0.2838 looks on a white background.

Color Contrast Check

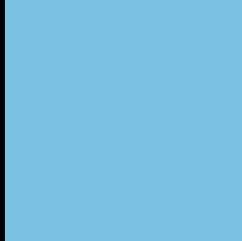
Large Text (above 18pt) WCAG AA × Fail

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 47.8236, 0.2430, 0.2838 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 47.8236, 0.2430, 0.2838

Background



This preview shows how black text looks on a background with the Yxy color 47.8236, 0.2430, 0.2838.

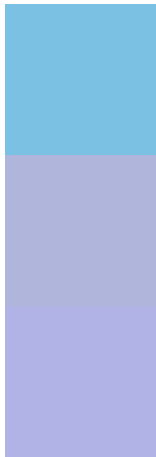


This preview shows how white text looks on a background with the Yxy color 47.8236, 0.2430, 0.2838.

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

47.8236, 0.2430, 0.2838

Protanopia

47.2762, 0.2798, 0.2815

Deuteranopia

47.3005, 0.2738, 0.2668



Tritanopia

47.9649, 0.2495, 0.3082

Trichromacy



Original Color

47.8236, 0.2430, 0.2838

Protanomaly

47.0398, 0.2647, 0.2814

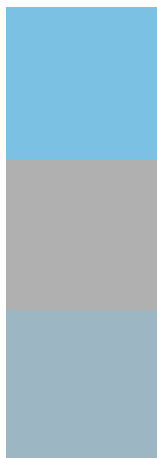
Deuteranomaly

47.1062, 0.2610, 0.2721

Tritanomaly

47.9619, 0.2471, 0.2990

Monochromacy



Original Color

47.8236, 0.2430, 0.2838

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.4639, 0.2821, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8236, 0.2430, 0.2838 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, 193, 227)` looks like.

```
.text, #text, p{  
    color:rgb(122, 193, 227)  
}
```

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, 193, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 193, 227) }
```

Border

The CSS property to change the border of an element to Yxy 47.8236, 0.2430, 0.2838 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, 193, 227) }
```

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

```
.border{ border-color:rgb(122, 193, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 193, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 193, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 193, 227);  
box-shadow:4px 4px 4px 4px rgb(122, 193,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8236, 0.2430, 0.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 193, 227) }
```

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

```
.background{ background-color: rgb(122,  
193, 227) }
```

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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