

Converting Colors

$Yxy(47.8419, 0.2441, 0.2851)$

Have a look what the booklet for
Yxy(47.8419, 0.2441, 0.2851)
contains.

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Color

Yxy(47.8419, 0.2441, 0.2851)

Conversions

Conversions Part 1

Format	Color
Hex	7BC1E2
RGB	123, 193, 226
RGB Percent	48%, 76%, 89%
CMY	0.5176, 0.2431, 0.1138
CMYK	0.46, 0.15, 0.00, 0.11
HSL	199°, 64%, 68%
HSV	199°, 46%, 89%
XYZ	40.9618, 47.8419, 79.0037
YIQ	175.8320, -52.3130, -4.5770

Conversions

Conversions Part 2

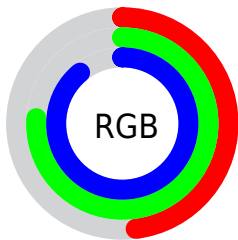
Format	Color
R _Y B	123, 165, 226
Decimal	8110562
CIE Lab	74.73, -13.38, -23.30
CIE LCh	75, 26.866, 240.124
Yxy	47.8419, 0.2441, 0.2851
Android (android.graphics.Color)	4286300642 (0xFF7BC1E2)
YUV	175.8320, 24.7328, -46.3337
Hunter-Lab	69.1678, -15.3345, -19.3038

Details

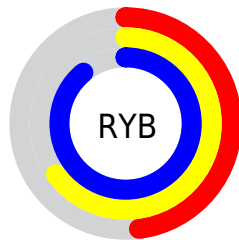
The Yxy color **47.8419, 0.2441, 0.2851** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.3576, 0.4164, 0.3679**, and the grayscale version is **43.2135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6747, 0.2694, 0.3224**, and **22.5638, 0.2261, 0.2709** is the 20% darker color. If you saturate the color by 10%, you get **43.2446, 0.2310, 0.2735**, and if you desaturate by 10%, it is **52.9839, 0.2583, 0.2961**.

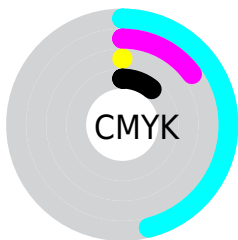
Distribution



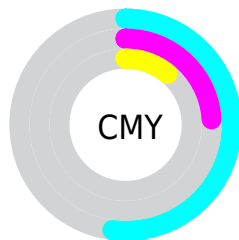
- Red (48%)
- Green (76%)
- Blue (89%)



- Red (48%)
- Yellow (65%)
- 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 47.8419, 0.2441, 0.2851 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 47.8419, 0.2441, 0.2851 by changing the saturation by 10% instead.

■ 47.8419, 0.2441,
0.2851

■ 47.8419, 0.2441,
0.2851

■ 378.1651, 0.2773,
0.3073

■ 33.7017, 0.2362,
0.2796

■ 86.9690, 0.2559,
0.2932

■ 22.6645, 0.2263,
0.2725

■ 112.7246, 0.2604,
0.2962

■ 14.3460, 0.2136,
0.2631

■ 143.1209, 0.2642,
0.2988

■ 8.3617, 0.1967,
0.2501

■ 178.5421, 0.2676,
0.3010

■ 4.3273, 0.1734,
0.2314

■ 219.3728, 0.2705,
0.3029

■ 1.8583, 0.1398,
0.2024

■ 265.9973, 0.2730,

■ 0.5231, 0.0488,

0.3045

0.1498

318.7999, 0.2753,
0.3060

0.0000, 0.0000,
0.0000

47.8419, 0.2441,
0.2851

47.8419, 0.2441,
0.2851

43.2446, 0.2310,
0.2735

52.9839, 0.2583,
0.2961

39.1574, 0.2195,
0.2614

58.6915, 0.2733,
0.3064

35.5497, 0.2098,
0.2491

64.9909, 0.2887,
0.3159

32.3839, 0.2020,
0.2368

71.9050, 0.3041,
0.3246

29.6141, 0.1964,
0.2247

79.4550, 0.3195,
0.3323

■ 28.4802, 0.1943,
0.2194

■ 86.9756, 0.3320,
0.3394

■ 91.2352, 0.3311,
0.3464

■ 95.6656, 0.3303,
0.3533

■ 98.2693, 0.3298,
0.3572

Harmonies

Analogous

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



47.8419, 0.2482, 0.3138



47.8419, 0.2441, 0.2851



47.8419, 0.2568, 0.2701

Triad

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



47.8419, 0.2441, 0.2851



47.8419, 0.3572, 0.3079



47.8419, 0.3385, 0.3956

Complementary

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



47.8419, 0.2441, 0.2851



41.3576, 0.4164, 0.3679

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.



47.8419, 0.3699, 0.3893



47.8419, 0.2441, 0.2851



47.8419, 0.3817, 0.3377

Square

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



47.8419, 0.2441, 0.2851



47.8419, 0.3209, 0.2838



47.8419, 0.3862, 0.3673



47.8419, 0.3014, 0.3812

Rectangle

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



47.8419, 0.2441, 0.2851



47.8419, 0.2737, 0.2685



47.8419, 0.3862, 0.3673



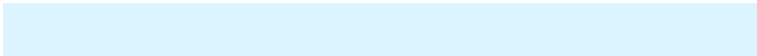
47.8419, 0.3501, 0.3957

Sweetspot

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



47.8437, 0.2441, 0.2851



86.7709, 0.2909, 0.3173



60.9737, 0.2886, 0.4259



18.1673, 0.2876, 0.3153



0.0000, 0.0000, 0.0000



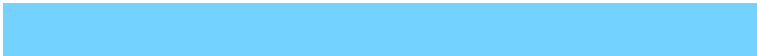
21.4041, 0.3127, 0.3290

Same Dimension

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



47.8437, 0.2441, 0.2851



56.9931, 0.2313, 0.2737



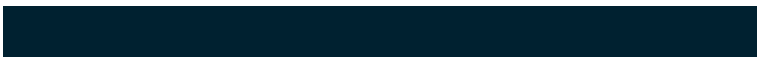
29.0099, 0.2312, 0.2126



14.7938, 0.2982, 0.3213



16.4761, 0.1948, 0.2213



1.3016, 0.2000, 0.2399

Inverse Universe

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



34.1803, 0.3514, 0.2499



38.1229, 0.3632, 0.2347



62.2637, 0.3888, 0.4228



13.8571, 0.3186, 0.3132



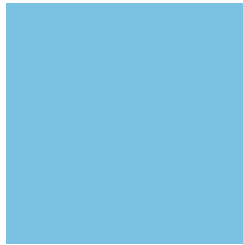
10.5713, 0.4218, 0.2097



0.7489, 0.4024, 0.1991

Previews

White Background



This preview shows how the Yxy color 47.8419, 0.2441, 0.2851 looks on a white background.

Color Contrast Check

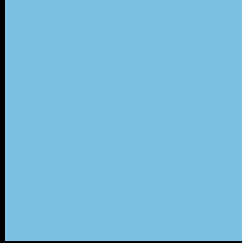
Large Text (above 18pt) WCAG AA × Fail

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 47.8419, 0.2441, 0.2851 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 47.8419, 0.2441, 0.2851

Background



This preview shows how black text looks on a background with the Yxy color 47.8419, 0.2441, 0.2851.



This preview shows how white text looks on a background with the Yxy color 47.8419, 0.2441, 0.2851.

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

47.8419, 0.2441, 0.2851

Protanopia

47.2237, 0.2805, 0.2827

Deuteranopia

47.2445, 0.2744, 0.2679



Tritanopia

48.1049, 0.2506, 0.3082

Trichromacy



Original Color

47.8419, 0.2441, 0.2851

Protanomaly

46.9863, 0.2653, 0.2826

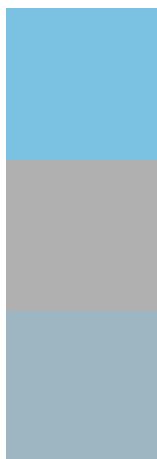
Deuteranomaly

47.0505, 0.2616, 0.2732

Tritanomaly

47.9812, 0.2482, 0.3003

Monochromacy



Original Color

47.8419, 0.2441, 0.2851

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.5190, 0.2835, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8419, 0.2441, 0.2851 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, 193, 226)` looks like.

```
.text, #text, p{  
    color:rgb(123, 193, 226)  
}
```

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, 193, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 193, 226) }
```

Border

The CSS property to change the border of an element to Yxy 47.8419, 0.2441, 0.2851 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, 193, 226) }
```

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

```
.border{ border-color:rgb(123, 193, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 193, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 193, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 193, 226);  
box-shadow:4px 4px 4px 4px rgb(123, 193,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8419, 0.2441, 0.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 193, 226) }
```

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

```
.background{ background-color: rgb(123,  
193, 226) }
```

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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