

Converting Colors

$Y_{xy}(45.7919, 0.2439, 0.2814)$

Have a look what the booklet for
Yxy(45.7919, 0.2439, 0.2814)
contains.

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Color

Yxy(45.9880, 0.2441, 0.2819)

Conversions

Conversions Part 1

Format	Color
Hex	7BBDE0
RGB	123, 189, 224
RGB Percent	48%, 74%, 88%
CMY	0.5178, 0.2588, 0.1214
CMYK	0.45, 0.16, 0.00, 0.12
HSL	201°, 62%, 68%
HSV	201°, 45%, 88%
XYZ	39.8215, 45.9880, 77.3264
YIQ	173.2560, -50.5710, -3.1070

Conversions

Conversions Part 2

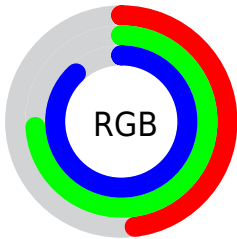
Format	Color
R _{YB}	123, 163, 224
Decimal	8109536
CIE Lab	73.54, -11.80, -24.06
CIE LCh	74, 26.801, 243.872
Yxy	45.9880, 0.2441, 0.2819
Android (android.graphics.Color)	4286299616 (0xFF7BBDE0)
YUV	173.2560, 25.0168, -44.0745
Hunter-Lab	67.8145, -13.8579, -20.1362

Details

The Yxy color **45.9880, 0.2441, 0.2819** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.7402, 0.4134, 0.3706**, and the grayscale version is **41.8146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2281, 0.2689, 0.3180**, and **21.6311, 0.2260, 0.2684** is the 20% darker color. If you saturate the color by 10%, you get **41.2701, 0.2306, 0.2693**, and if you desaturate by 10%, it is **51.2664, 0.2586, 0.2939**.

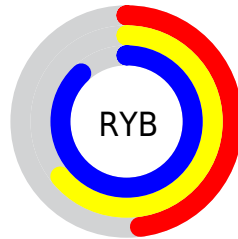
Distribution



Red (48%)

Green (74%)

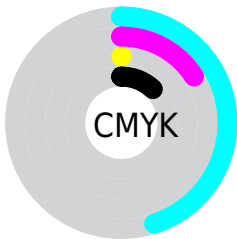
Blue (88%)



Red (48%)

Yellow (64%)

Blue (88%)

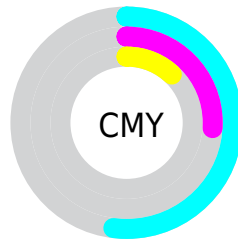


Cyan (45%)

Magenta (16%)

Yellow (0%)

Black (12%)



Cyan (52%)

Magenta (26%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9880, 0.2441, 0.2819 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 45.9880, 0.2441, 0.2819 by changing the saturation by 10% instead.

■ 45.9880, 0.2441,
0.2819

■ 45.9880, 0.2441,
0.2819

■ 370.7604, 0.2775,
0.3058

■ 32.2364, 0.2361,
0.2759

■ 84.2010, 0.2560,
0.2906

■ 21.5421, 0.2260,
0.2683

■ 109.4312, 0.2605,
0.2939

■ 13.5208, 0.2131,
0.2582

■ 139.2564, 0.2644,
0.2966

■ 7.7882, 0.1957,
0.2443

■ 174.0609, 0.2678,
0.2990

■ 3.9597, 0.1717,
0.2241

■ 214.2291, 0.2707,
0.3010

■ 1.6510, 0.1369,
0.1928

■ 260.1455, 0.2732,

■ 0.3917, 0.0272,

0.3028

0.1265

312.1945, 0.2755,
0.3044

0.0000, 0.0000,
0.0000

45.9880, 0.2441,
0.2819

45.9880, 0.2441,
0.2819

41.2701, 0.2306,
0.2693

51.2664, 0.2586,
0.2939

37.0785, 0.2186,
0.2561

57.1263, 0.2738,
0.3050

33.3826, 0.2084,
0.2427

63.5940, 0.2893,
0.3153

30.1454, 0.2002,
0.2293

70.6922, 0.3049,
0.3246

27.3218, 0.1941,
0.2162

78.4423, 0.3201,
0.3330

■ 26.0569, 0.1916,
0.2098

■ 86.4071, 0.3333,
0.3405

■ 90.9673, 0.3323,
0.3481

■ 95.7242, 0.3314,
0.3555

■ 98.1640, 0.3309,
0.3591

Harmonies

Analogous

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



45.9880, 0.2461, 0.3094



45.9880, 0.2441, 0.2819



45.9880, 0.2590, 0.2687

Triad

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



45.9880, 0.2441, 0.2819



45.9880, 0.3617, 0.3112



45.9880, 0.3341, 0.3957

Complementary

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



45.9880, 0.2441, 0.2819



41.7402, 0.4134, 0.3706

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.



45.9880, 0.3671, 0.3918



45.9880, 0.2441, 0.2819



45.9880, 0.3842, 0.3417

Square

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



45.9880, 0.2441, 0.2819



45.9880, 0.3258, 0.2859



45.9880, 0.3860, 0.3710



45.9880, 0.2967, 0.3786

Rectangle

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



45.9880, 0.2441, 0.2819



45.9880, 0.2771, 0.2683



45.9880, 0.3860, 0.3710



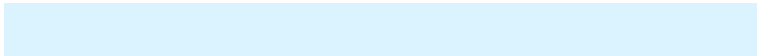
45.9880, 0.3461, 0.3967

Sweetspot

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



45.9897, 0.2441, 0.2819



86.2030, 0.2909, 0.3163



59.9646, 0.2879, 0.4222



18.0284, 0.2875, 0.3141



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.



45.9897, 0.2441, 0.2819



55.7764, 0.2316, 0.2702



28.2960, 0.2318, 0.2117



14.7306, 0.2982, 0.3207



15.3836, 0.1922, 0.2118



1.2316, 0.1978, 0.2320

Inverse Universe

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



33.6873, 0.3539, 0.2535



38.5705, 0.3659, 0.2395



62.0036, 0.3872, 0.4235



13.8507, 0.3191, 0.3138



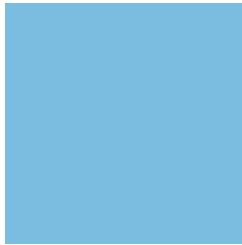
10.4610, 0.4321, 0.2154



0.7418, 0.4106, 0.2035

Previews

White Background



This preview shows how the Yxy color 45.9880, 0.2441, 0.2819 looks on a white background.

Color Contrast Check

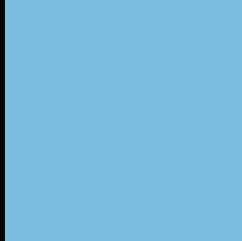
Large Text (above 18pt) WCAG AA × Fail

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 45.9880, 0.2441, 0.2819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

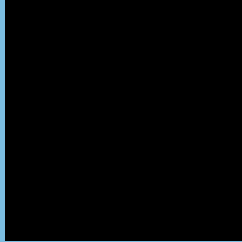
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9880, 0.2441, 0.2819

Background



This preview shows how black text looks on a background with the Yxy color 45.9880, 0.2441, 0.2819.



This preview shows how white text looks on a background with the Yxy color 45.9880, 0.2441, 0.2819.

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

45.9880, 0.2441, 0.2819

Protanopia

45.6212, 0.2787, 0.2797

Deuteranopia

45.4810, 0.2725, 0.2658



Tritanopia

46.0558, 0.2513, 0.3079

Trichromacy



Original Color

45.9880, 0.2441, 0.2819

Protanomaly

45.4932, 0.2641, 0.2796

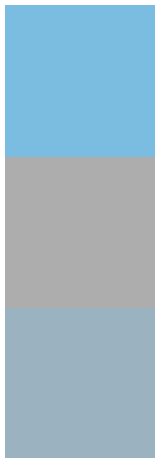
Deuteranomaly

45.5073, 0.2610, 0.2714

Tritanomaly

46.0588, 0.2488, 0.2986

Monochromacy



Original Color

45.9880, 0.2441, 0.2819

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.0145, 0.2831, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9880, 0.2441, 0.2819 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, 189, 224)` looks like.

```
.text, #text, p{  
    color:rgb(123, 189, 224)  
}
```

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, 189, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 189, 224) }
```

Border

The CSS property to change the border of an element to Yxy 45.9880, 0.2441, 0.2819 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, 189, 224) }
```

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

```
.border{ border-color:rgb(123, 189, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 189, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 189, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 189, 224);  
box-shadow:4px 4px 4px 4px rgb(123, 189,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9880, 0.2441, 0.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 189, 224) }
```

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

```
.background{ background-color: rgb(123,  
189, 224) }
```

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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