

Converting Colors

$Y_{xy}(43.3400, 0.2444, 0.2777)$

Have a look what the booklet for
Yxy(43.3400, 0.2444, 0.2777)
contains.

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Color

Yxy(43.2984, 0.2443, 0.2772)

Conversions

Conversions Part 1

Format	Color
Hex	7BB7DD
RGB	123, 183, 221
RGB Percent	48%, 72%, 87%
CMY	0.5173, 0.2824, 0.1334
CMYK	0.44, 0.17, 0.00, 0.13
HSL	203°, 59%, 67%
HSV	203°, 44%, 87%
XYZ	38.1594, 43.2984, 74.7413
YIQ	169.3920, -47.9580, -0.9020

Conversions

Conversions Part 2

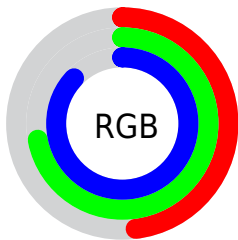
Format	Color
RYB	123, 160, 221
Decimal	8107997
CIELab	71.76, -9.41, -25.12
CIELCh	72, 26.824, 249.472
Yxy	43.2984, 0.2443, 0.2772
Android (android.graphics.Color)	4286298077 (0xFF7BB7DD)
YUV	169.3920, 25.4427, -40.6858
Hunter-Lab	65.8015, -11.6374, -21.2840

Details

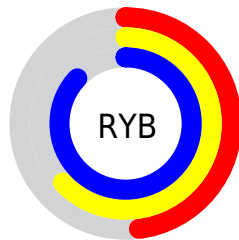
The Yxy color **43.2984, 0.2443, 0.2772** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **42.3177, 0.4085, 0.3746**, and the grayscale version is **39.7785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5367, 0.2676, 0.3113**, and **19.9117, 0.2257, 0.2616** is the 20% darker color. If you saturate the color by 10%, you get **38.4183, 0.2302, 0.2630**, and if you desaturate by 10%, it is **48.7652, 0.2593, 0.2906**.

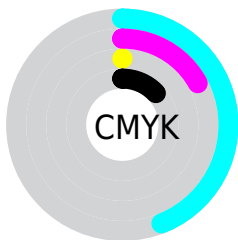
Distribution



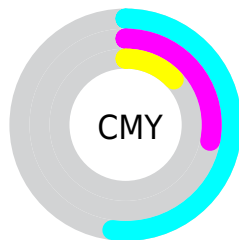
- Red (48%)
- Green (72%)
- Blue (87%)



- Red (48%)
- Yellow (63%)
- Blue (87%)



- Cyan (44%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (52%)
- Magenta (28%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2984, 0.2443, 0.2772 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 43.2984, 0.2443, 0.2772 by changing the saturation by 10% instead.

■ 43.2984, 0.2443,
0.2772

■ 43.2984, 0.2443,
0.2772

■ 359.8375, 0.2780,
0.3035

■ 30.1193, 0.2361,
0.2706

■ 80.1610, 0.2564,
0.2868

■ 19.9292, 0.2259,
0.2621

■ 104.6132, 0.2609,
0.2904

■ 12.3436, 0.2125,
0.2509

■ 133.5920, 0.2648,
0.2934

■ 6.9781, 0.1945,
0.2355

■ 167.4817, 0.2682,
0.2960

■ 3.4484, 0.1694,
0.2131

■ 206.6667, 0.2711,
0.2983

■ 1.3701, 0.1327,
0.1784

■ 251.5314, 0.2737,

■ 0.1945, 0.0000,

0.3002

0.0762

302.4602, 0.2759,
0.3020

0.0000, 0.0000,
0.0000

43.2984, 0.2443,
0.2772

43.2984, 0.2443,
0.2772

38.4183, 0.2302,
0.2630

48.7652, 0.2593,
0.2906

34.0913, 0.2175,
0.2482

54.8403, 0.2749,
0.3031

30.2867, 0.2064,
0.2331

61.5497, 0.2906,
0.3145

26.9680, 0.1975,
0.2180

68.9164, 0.3061,
0.3249

24.0913, 0.1907,
0.2032

76.9621, 0.3213,
0.3342

■ 22.6111, 0.1875,
0.1950

■ 85.5794, 0.3355,
0.3424

■ 90.5937, 0.3343,
0.3508

■ 95.8477, 0.3332,
0.3589

■ 97.9996, 0.3328,
0.3621

Harmonies

Analogous

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



43.2984, 0.2431, 0.3028



43.2984, 0.2443, 0.2772



43.2984, 0.2624, 0.2667

Triad

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



43.2984, 0.2443, 0.2772



43.2984, 0.3684, 0.3164



43.2984, 0.3274, 0.3956

Complementary

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



43.2984, 0.2443, 0.2772



42.3177, 0.4085, 0.3746

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.



43.2984, 0.3628, 0.3954



43.2984, 0.2443, 0.2772



43.2984, 0.3878, 0.3477

Square

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



43.2984, 0.2443, 0.2772



43.2984, 0.3334, 0.2892



43.2984, 0.3854, 0.3767



43.2984, 0.2895, 0.3743

Rectangle

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



43.2984, 0.2443, 0.2772



43.2984, 0.2826, 0.2682



43.2984, 0.3854, 0.3767



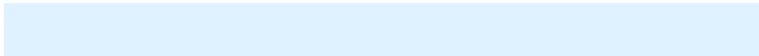
43.2984, 0.3400, 0.3979

Sweetspot

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



43.3000, 0.2443, 0.2772



86.3109, 0.2924, 0.3158



58.4812, 0.2855, 0.4130



18.0103, 0.2890, 0.3134



0.0000, 0.0000, 0.0000



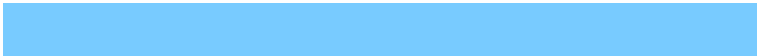
21.4041, 0.3127, 0.3290

Same Dimension

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



43.3000, 0.2443, 0.2772



53.7032, 0.2314, 0.2643



26.6263, 0.2322, 0.2073



13.9369, 0.2982, 0.3197



13.3632, 0.1881, 0.1972



1.0311, 0.1947, 0.2210

Inverse Universe

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



32.9744, 0.3574, 0.2592



38.9474, 0.3707, 0.2461



62.6793, 0.3835, 0.4267



13.1848, 0.3197, 0.3148



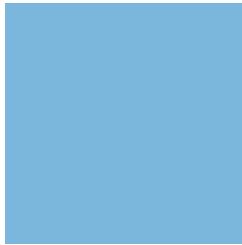
9.9728, 0.4484, 0.2244



0.6628, 0.4221, 0.2099

Previews

White Background



This preview shows how the Yxy color 43.2984, 0.2443, 0.2772 looks on a white background.

Color Contrast Check

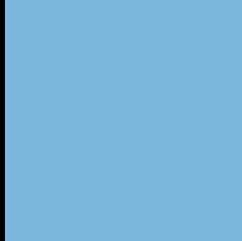
Large Text (above 18pt) WCAG AA × Fail

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 43.2984, 0.2443, 0.2772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

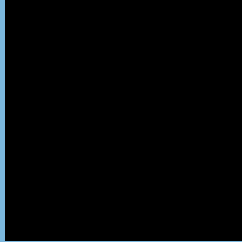
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

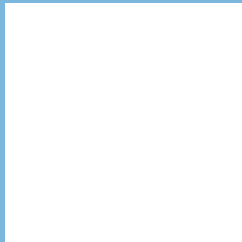
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.2984, 0.2443, 0.2772

Background



This preview shows how black text looks on a background with the Yxy color 43.2984, 0.2443, 0.2772.



This preview shows how white text looks on a background with the Yxy color 43.2984, 0.2443, 0.2772.

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

43.2984, 0.2443, 0.2772

Protanopia

42.8492, 0.2757, 0.2759

Deuteranopia

43.0483, 0.2702, 0.2643



Tritanopia

43.1168, 0.2526, 0.3074

Trichromacy



Original Color

43.2984, 0.2443, 0.2772

Protanomaly

42.9381, 0.2625, 0.2761

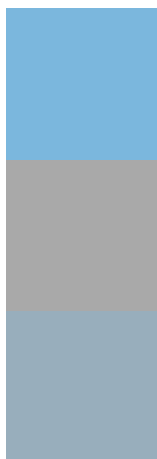
Deuteranomaly

42.9039, 0.2599, 0.2689

Tritanomaly

43.1739, 0.2496, 0.2965

Monochromacy



Original Color

43.2984, 0.2443, 0.2772

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.5783, 0.2833, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.2984, 0.2443, 0.2772 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(123, 183, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 183, 221) }
```

Border

The CSS property to change the border of an element to Yxy 43.2984, 0.2443, 0.2772 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, 221) }
```

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

```
.border{ border-color:rgb(123, 183, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 183, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 183, 221);  
box-shadow:4px 4px 4px 4px rgb(123, 183,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 43.2984, 0.2443, 0.2772 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, 221) }
```

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

```
.background{ background-color: rgb(123,  
183, 221) }
```

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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