

Converting Colors

$Y_{xy}(43.7675, 0.2551, 0.2978)$

Have a look what the booklet for
Yxy(43.7675, 0.2551, 0.2978)
contains.

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Color

Yxy(43.7921, 0.2555, 0.2983)

Conversions

Conversions Part 1

Format	Color
Hex	80B9CF
RGB	128, 185, 207
RGB Percent	50%, 73%, 81%
CMY	0.4982, 0.2745, 0.1882
CMYK	0.38, 0.11, 0.00, 0.19
HSL	197°, 45%, 66%
HSV	197°, 38%, 81%
XYZ	37.5088, 43.7921, 65.5046
YIQ	170.4650, -41.0340, -5.2420

Conversions

Conversions Part 2

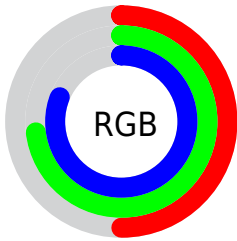
Format	Color
R _Y B	128, 161, 207
Decimal	8436175
CIE Lab	72.09, -12.95, -16.96
CIE LCh	72, 21.336, 232.641
Yxy	43.7921, 0.2555, 0.2983
Android (android.graphics.Color)	4286626255 (0xFF80B9CF)
YUV	170.4650, 18.0118, -37.2418
Hunter-Lab	66.1756, -14.6322, -12.3659

Details

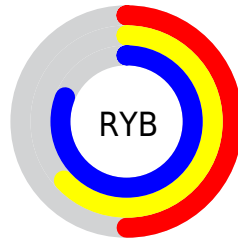
The Yxy color **43.7921, 0.2555, 0.2983** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.6197, 0.3954, 0.3573**, and the grayscale version is **40.3634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1979, 0.2700, 0.3137**, and **20.2583, 0.2395, 0.2884** is the 20% darker color. If you saturate the color by 10%, you get **39.9886, 0.2421, 0.2887**, and if you desaturate by 10%, it is **48.0240, 0.2699, 0.3073**.

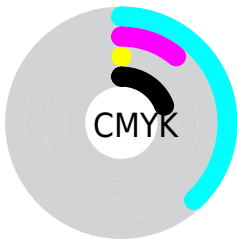
Distribution



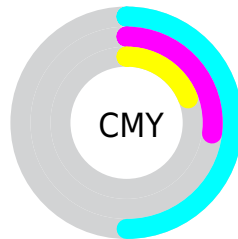
- Red (50%)
- Green (73%)
- Blue (81%)



- Red (50%)
- Yellow (63%)
- Blue (81%)



- Cyan (38%)
- Magenta (11%)
- Yellow (0%)
- Black (19%)



- Cyan (50%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7921, 0.2555, 0.2983 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 43.7921, 0.2555, 0.2983 by changing the saturation by 10% instead.

■ 43.7921, 0.2555,
0.2983

■ 43.7921, 0.2555,
0.2983

■ 361.8592, 0.2838,
0.3142

■ 30.5071, 0.2486,
0.2942

■ 80.9048, 0.2657,
0.3042

■ 20.2238, 0.2398,
0.2888

■ 105.5013, 0.2695,
0.3064

■ 12.5578, 0.2282,
0.2816

■ 134.6371, 0.2728,
0.3082

■ 7.1248, 0.2125,
0.2713

■ 168.6966, 0.2756,
0.3098

■ 3.5403, 0.1899,
0.2556

■ 208.0641, 0.2781,
0.3111

■ 1.4199, 0.1554,
0.2295

■ 253.1242, 0.2802,

■ 0.2313, 0.0000,

0.3123

0.1321

304.2611, 0.2821,
0.3133

0.0000, 0.0000,
0.0000

43.7921, 0.2555,
0.2983

43.7921, 0.2555,
0.2983

39.9886, 0.2421,
0.2887

48.0240, 0.2699,
0.3073

36.5871, 0.2300,
0.2787

52.6987, 0.2849,
0.3156

33.5661, 0.2195,
0.2684

57.8359, 0.3002,
0.3233

30.8990, 0.2109,
0.2579

63.4525, 0.3155,
0.3302

28.5551, 0.2042,
0.2474

69.5647, 0.3306,
0.3364

■ 26.4889, 0.1995,
0.2370

■ 76.1875, 0.3453,
0.3419

■ 26.1303, 0.1987,
0.2352

■ 79.7887, 0.3464,
0.3476

■ 82.9609, 0.3454,
0.3533

■ 86.2392, 0.3443,
0.3589

Harmonies

Analogous

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



43.7921, 0.2626, 0.3241



43.7921, 0.2555, 0.2983



43.7921, 0.2627, 0.2825

Triad

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



43.7921, 0.2555, 0.2983



43.7921, 0.3423, 0.3061



43.7921, 0.3413, 0.3834

Complementary

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



43.7921, 0.2555, 0.2983



36.6197, 0.3954, 0.3573

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.



43.7921, 0.3644, 0.3752



43.7921, 0.2555, 0.2983



43.7921, 0.3653, 0.3303

Square

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



43.7921, 0.2555, 0.2983



43.7921, 0.3118, 0.2877



43.7921, 0.3735, 0.3553



43.7921, 0.3113, 0.3756

Rectangle

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



43.7921, 0.2555, 0.2983



43.7921, 0.2749, 0.2788



43.7921, 0.3735, 0.3553



43.7921, 0.3502, 0.3823

Sweetspot

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



43.7938, 0.2555, 0.2983



90.1847, 0.2956, 0.3211



51.3819, 0.2944, 0.4129



19.0584, 0.2935, 0.3201



0.0000, 0.0000, 0.0000



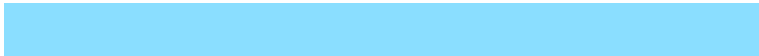
21.4041, 0.3127, 0.3290

Same Dimension

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



43.7938, 0.2555, 0.2983



65.0360, 0.2442, 0.2903



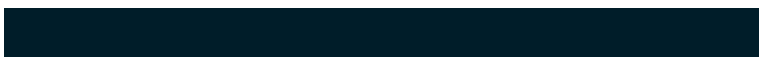
29.7744, 0.2471, 0.2412



12.8278, 0.2983, 0.3224



16.6301, 0.1991, 0.2366



1.0596, 0.2043, 0.2556

Inverse Universe

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



32.1974, 0.3395, 0.2590



44.6447, 0.3475, 0.2442



51.0271, 0.3773, 0.4034



11.9506, 0.3180, 0.3124



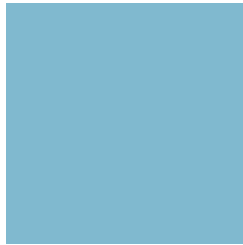
9.7501, 0.4058, 0.2009



0.5583, 0.3867, 0.1904

Previews

White Background



This preview shows how the Yxy color 43.7921, 0.2555, 0.2983 looks on a white background.

Color Contrast Check

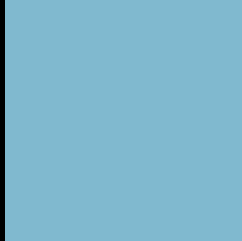
Large Text (above 18pt) WCAG AA × Fail

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 43.7921, 0.2555, 0.2983 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

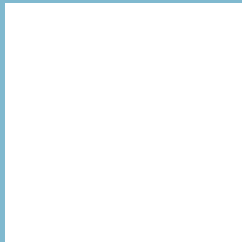
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.7921, 0.2555, 0.2983

Background



This preview shows how black text looks on a background with the Yxy color 43.7921, 0.2555, 0.2983.



This preview shows how white text looks on a background with the Yxy color 43.7921, 0.2555, 0.2983.

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

43.7921, 0.2555, 0.2983

Protanopia

43.6007, 0.2906, 0.2963

Deuteranopia

43.5053, 0.2871, 0.2806



Tritanopia

43.7705, 0.2580, 0.3077

Trichromacy



Original Color

43.7921, 0.2555, 0.2983

Protanomaly

43.6199, 0.2762, 0.2967

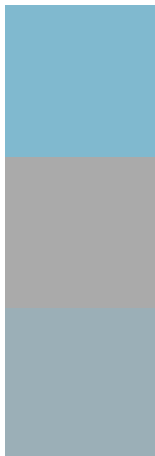
Deuteranomaly

43.4187, 0.2742, 0.2867

Tritanomaly

43.9416, 0.2575, 0.3050

Monochromacy



Original Color

43.7921, 0.2555, 0.2983

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.0474, 0.2894, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7921, 0.2555, 0.2983 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(128, 185, 207)` looks like.

```
.text, #text, p{  
    color:rgb(128, 185, 207)  
}
```

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(128, 185, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 185, 207) }
```

Border

The CSS property to change the border of an element to Yxy 43.7921, 0.2555, 0.2983 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(128, 185, 207) }
```

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

```
.border{ border-color:rgb(128, 185, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 185, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 185, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 185, 207);  
box-shadow:4px 4px 4px 4px rgb(128, 185,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7921, 0.2555, 0.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 185, 207) }
```

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

```
.background{ background-color: rgb(128,  
185, 207) }
```

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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