

Converting Colors

$Y_{xy}(52.6350, 0.2460, 0.2996)$

Have a look what the booklet for
Yxy(52.6350, 0.2460, 0.2996)
contains.

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Color

Yxy(52.8143, 0.2463, 0.3000)

Conversions

Conversions Part 1

Format	Color
Hex	7ACCE2
RGB	122, 204, 226
RGB Percent	48%, 80%, 89%
CMY	0.5211, 0.2001, 0.1137
CMYK	0.46, 0.10, 0.00, 0.11
HSL	193°, 64%, 68%
HSV	193°, 46%, 89%
XYZ	43.3605, 52.8143, 79.8728
YIQ	181.9900, -55.9340, -10.5420

Conversions

Conversions Part 2

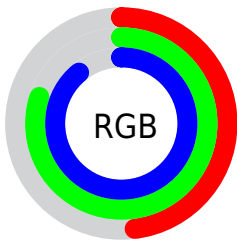
Format	Color
R _{YB}	122, 168, 226
Decimal	8047842
CIE Lab	77.77, -19.25, -18.71
CIE LCh	78, 26.848, 224.181
Yxy	52.8143, 0.2463, 0.3000
Android (android.graphics.Color)	4286237922 (0xFF7ACCE2)
YUV	181.9900, 21.6969, -52.6112
Hunter-Lab	72.6734, -20.6767, -14.2921

Details

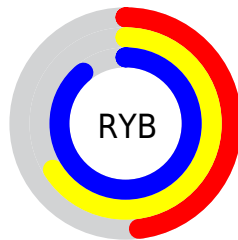
The Yxy color **52.8143, 0.2463, 0.3000** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.5738, 0.4243, 0.3551**, and the grayscale version is **46.6918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **25.8097, 0.2293, 0.2915** is the 20% darker color. If you saturate the color by 10%, you get **49.1083, 0.2347, 0.2925**, and if you desaturate by 10%, it is **56.9782, 0.2593, 0.3071**.

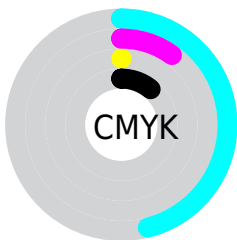
Distribution



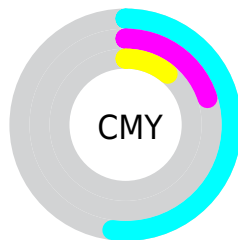
- Red (48%)
- Green (80%)
- Blue (89%)



- Red (48%)
- Yellow (66%)
- Blue (89%)



- Cyan (46%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)




- Cyan (52%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.8143, 0.2463, 0.3000 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 52.8143, 0.2463, 0.3000 by changing the saturation by 10% instead.


 52.8143, 0.2463,
0.3000

 52.8143, 0.2463,
0.3000


397.5723, 0.2780,
0.3148

 37.6545, 0.2389,
0.2962


 94.3311, 0.2574,
0.3054

 25.7147, 0.2296,
0.2914


 121.4568, 0.2617,
0.3075

 16.6103, 0.2178,
0.2850


 153.3401, 0.2654,
0.3092

 9.9570, 0.2022,
0.2760

190.3652, 0.2686,
0.3106

 5.3705, 0.1809,
0.2629

232.9166, 0.2714,
0.3119

 2.4662, 0.1502,
0.2419

281.3787, 0.2738,

 0.8597, 0.0846,

0.3130

0.2096

336.1357, 0.2760,
0.3140

0.0000, 0.0000,
0.0000

52.8143, 0.2463,
0.3000

52.8143, 0.2463,
0.3000

49.1083, 0.2347,
0.2925

56.9782, 0.2593,
0.3071

45.8266, 0.2248,
0.2848

61.6190, 0.2734,
0.3139

42.9402, 0.2167,
0.2770

66.7616, 0.2882,
0.3201

40.4127, 0.2106,
0.2692

72.4274, 0.3035,
0.3258

38.1997, 0.2065,
0.2614

78.6363, 0.3189,
0.3310

■ 37.3660, 0.2051,
0.2583

■ 84.8854, 0.3324,
0.3357

■ 87.6325, 0.3318,
0.3404

■ 90.4540, 0.3312,
0.3451

■ 93.3502, 0.3307,
0.3497

Harmonies

Analogous

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



52.8143, 0.2590, 0.3327



52.8143, 0.2463, 0.3000



52.8143, 0.2500, 0.2779

Triad

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



52.8143, 0.2463, 0.3000



52.8143, 0.3378, 0.2951



52.8143, 0.3551, 0.3925

Complementary

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



52.8143, 0.2463, 0.3000



37.5738, 0.4243, 0.3551

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.



52.8143, 0.3787, 0.3775



52.8143, 0.2463, 0.3000



52.8143, 0.3689, 0.3218

Square

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



52.8143, 0.2463, 0.3000



52.8143, 0.3012, 0.2766



52.8143, 0.3840, 0.3514



52.8143, 0.3210, 0.3893

Rectangle

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



52.8143, 0.2463, 0.3000



52.8143, 0.2614, 0.2711



52.8143, 0.3840, 0.3514



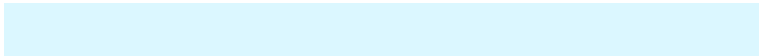
52.8143, 0.3646, 0.3892

Sweetspot

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



52.8163, 0.2463, 0.3000



89.1106, 0.2911, 0.3212



60.5295, 0.2950, 0.4443



18.7407, 0.2878, 0.3199



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.



52.8163, 0.2463, 0.3000



64.8363, 0.2353, 0.2930



32.5161, 0.2335, 0.2286



15.0530, 0.2982, 0.3239



21.4919, 0.2054, 0.2596



1.6145, 0.2087, 0.2715

Inverse Universe

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



34.4795, 0.3398, 0.2380



38.9147, 0.3472, 0.2216



56.5427, 0.3957, 0.4115



13.8832, 0.3170, 0.3107



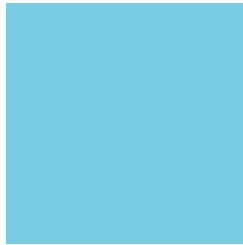
11.0777, 0.3828, 0.1883



0.7804, 0.3714, 0.1820

Previews

White Background



This preview shows how the Yxy color 52.8143, 0.2463, 0.3000 looks on a white background.

Color Contrast Check

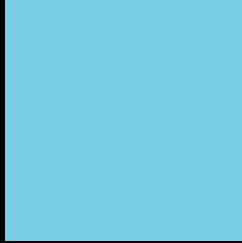
Large Text (above 18pt) WCAG AA × Fail

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 52.8143, 0.2463, 0.3000 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 52.8143, 0.2463, 0.3000

Background



This preview shows how black text looks on a background with the Yxy color 52.8143, 0.2463, 0.3000.



This preview shows how white text looks on a background with the Yxy color 52.8143, 0.2463, 0.3000.

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

52.8143, 0.2463, 0.3000

Protanopia

52.4015, 0.2908, 0.2963

Deuteranopia

52.3302, 0.2848, 0.2783



Tritanopia

52.9480, 0.2485, 0.3077

Trichromacy



Original Color

52.8143, 0.2463, 0.3000

Protanomaly

51.9841, 0.2720, 0.2975

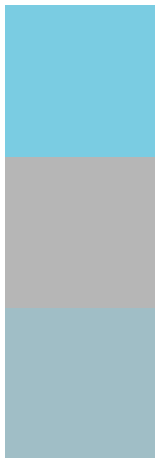
Deuteranomaly

51.9041, 0.2683, 0.2845

Tritanomaly

53.0553, 0.2475, 0.3051

Monochromacy



Original Color

52.8143, 0.2463, 0.3000

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.3777, 0.2836, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8143, 0.2463, 0.3000 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, 204, 226)` looks like.

```
.text, #text, p{  
    color:rgb(122, 204, 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(122, 204, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 204, 226) }
```

Border

The CSS property to change the border of an element to Yxy 52.8143, 0.2463, 0.3000 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, 204, 226) }
```

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

```
.border{ border-color:rgb(122, 204, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 204, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 204, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 204, 226);  
box-shadow:4px 4px 4px 4px rgb(122, 204,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8143, 0.2463, 0.3000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 204, 226) }
```

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

```
.background{ background-color: rgb(122,  
204, 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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