

Converting Colors

$Y_{xy}(50.1043, 0.2470, 0.2975)$

Have a look what the booklet for
Yxy(50.1043, 0.2470, 0.2975)
contains.

Yxy(50.2583, 0.2471, 0.2983)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.2583, 0.2471, 0.2983)

Conversions

Conversions Part 1

Format	Color
Hex	7AC7DE
RGB	122, 199, 222
RGB Percent	48%, 78%, 87%
CMY	0.5215, 0.2196, 0.1295
CMYK	0.45, 0.10, 0.00, 0.13
HSL	194°, 60%, 67%
HSV	194°, 45%, 87%
XYZ	41.6320, 50.2583, 76.5921
YIQ	178.5990, -53.2750, -9.1710

Conversions

Conversions Part 2

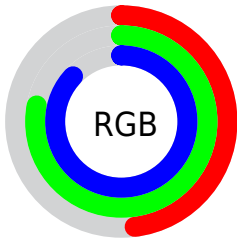
Format	Color
R _{YB}	122, 166, 222
Decimal	8046558
CIE Lab	76.23, -17.81, -18.86
CIE LCh	76, 25.939, 226.637
Yxy	50.2583, 0.2471, 0.2983
Android (android.graphics.Color)	4286236638 (0xFF7AC7DE)
YUV	178.5990, 21.3967, -49.6373
Hunter-Lab	70.8931, -19.2387, -14.4311

Details

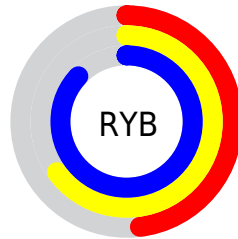
The Yxy color **50.2583, 0.2471, 0.2983** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.1750, 0.4198, 0.3567**, and the grayscale version is **44.7621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **24.1308, 0.2300, 0.2888** is the 20% darker color. If you saturate the color by 10%, you get **46.5127, 0.2351, 0.2902**, and if you desaturate by 10%, it is **54.4564, 0.2604, 0.3060**.

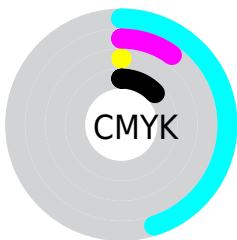
Distribution



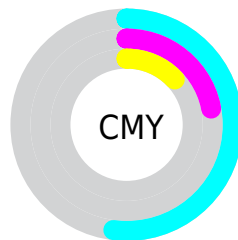
- Red (48%)
- Green (78%)
- Blue (87%)



- Red (48%)
- Yellow (65%)
- Blue (87%)



- Cyan (45%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (52%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2583, 0.2471, 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 50.2583, 0.2471, 0.2983 by changing the saturation by 10% instead.

■ 50.2583, 0.2471,
0.2983

■ 50.2583, 0.2471,
0.2983

■ 387.6752, 0.2787,
0.3141

■ 35.6187, 0.2396,
0.2943

■ 90.5575, 0.2583,
0.3041

■ 24.1398, 0.2303,
0.2891

■ 116.9858, 0.2625,
0.3062

■ 15.4374, 0.2183,
0.2822

■ 148.1125, 0.2662,
0.3081

■ 9.1269, 0.2023,
0.2726

■ 184.3219, 0.2694,
0.3096

■ 4.8241, 0.1803,
0.2583

■ 225.9985, 0.2721,
0.3110

■ 2.1444, 0.1483,
0.2355

■ 273.5267, 0.2746,

■ 0.6894, 0.0638,

0.3121

0.1996

327.2908, 0.2767,
0.3131

0.0000, 0.0000,
0.0000

50.2583, 0.2471,
0.2983

50.2583, 0.2471,
0.2983

46.5127, 0.2351,
0.2902

54.4564, 0.2604,
0.3060

43.1876, 0.2248,
0.2818

59.1251, 0.2747,
0.3133

40.2554, 0.2163,
0.2733

64.2883, 0.2896,
0.3200

37.6819, 0.2098,
0.2648

69.9665, 0.3050,
0.3261

35.4253, 0.2052,
0.2563

76.1788, 0.3204,
0.3317

■ 34.3876, 0.2034,
0.2521

■ 82.9059, 0.3355,
0.3367

■ 85.7797, 0.3348,
0.3417

■ 88.7371, 0.3341,
0.3467

■ 91.7789, 0.3335,
0.3516

Harmonies

Analogous

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



50.2583, 0.2583, 0.3298



50.2583, 0.2471, 0.2983



50.2583, 0.2521, 0.2776

Triad

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



50.2583, 0.2471, 0.2983



50.2583, 0.3403, 0.2976



50.2583, 0.3519, 0.3918

Complementary

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



50.2583, 0.2471, 0.2983



37.1750, 0.4198, 0.3567

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.



50.2583, 0.3762, 0.3784



50.2583, 0.2471, 0.2983



50.2583, 0.3698, 0.3243

Square

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



50.2583, 0.2471, 0.2983



50.2583, 0.3043, 0.2786



50.2583, 0.3831, 0.3534



50.2583, 0.3179, 0.3870

Rectangle

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



50.2583, 0.2471, 0.2983



50.2583, 0.2641, 0.2717



50.2583, 0.3831, 0.3534



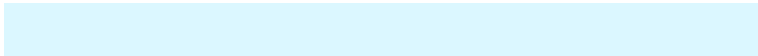
50.2583, 0.3616, 0.3891

Sweetspot

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



50.2602, 0.2471, 0.2983



88.7246, 0.2911, 0.3206



58.3690, 0.2944, 0.4389



18.6460, 0.2878, 0.3192



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.



50.2602, 0.2471, 0.2983



63.9923, 0.2358, 0.2907



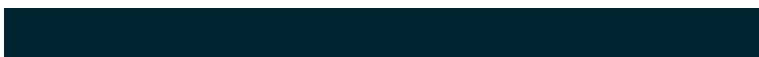
31.3309, 0.2349, 0.2288



15.0104, 0.2982, 0.3235



20.6074, 0.2037, 0.2534



1.5602, 0.2073, 0.2664

Inverse Universe

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



33.5713, 0.3410, 0.2416



39.3999, 0.3489, 0.2253



55.3582, 0.3928, 0.4115



13.8789, 0.3173, 0.3111



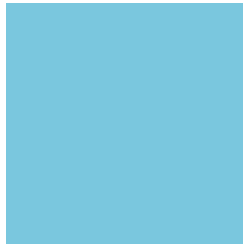
10.9884, 0.3889, 0.1916



0.7750, 0.3763, 0.1846

Previews

White Background



This preview shows how the Yxy color 50.2583, 0.2471, 0.2983 looks on a white background.

Color Contrast Check

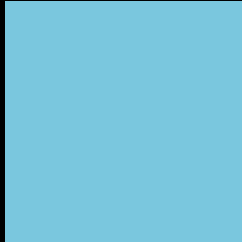
Large Text (above 18pt) WCAG AA × Fail

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 50.2583, 0.2471, 0.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

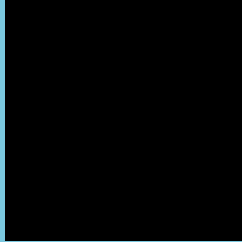
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.2583, 0.2471, 0.2983

Background



This preview shows how black text looks on a background with the Yxy color 50.2583, 0.2471, 0.2983.



This preview shows how white text looks on a background with the Yxy color 50.2583, 0.2471, 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

50.2583, 0.2471, 0.2983

Protanopia

49.9892, 0.2903, 0.2956

Deuteranopia

49.7423, 0.2842, 0.2784



Tritanopia

50.2595, 0.2494, 0.3073

Trichromacy



Original Color

50.2583, 0.2471, 0.2983

Protanomaly

49.7965, 0.2727, 0.2970

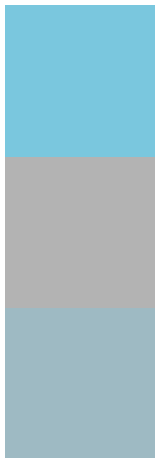
Deuteranomaly

49.5635, 0.2688, 0.2849

Tritanomaly

50.4355, 0.2489, 0.3047

Monochromacy



Original Color

50.2583, 0.2471, 0.2983

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.3270, 0.2839, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2583, 0.2471, 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(122, 199, 222)` looks like.

```
.text, #text, p{  
    color:rgb(122, 199, 222)  
}
```

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, 199, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 199, 222) }
```

Border

The CSS property to change the border of an element to Yxy 50.2583, 0.2471, 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(122, 199, 222) }
```

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

```
.border{ border-color:rgb(122, 199, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 199, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 199, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 199, 222);  
box-shadow:4px 4px 4px 4px rgb(122, 199,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2583, 0.2471, 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(122, 199, 222) }
```

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

```
.background{ background-color: rgb(122,  
199, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor