

Converting Colors

$Y_{xy}(41.7782, 0.2304, 0.2919)$

Have a look what the booklet for
Yxy(41.7782, 0.2304, 0.2919)
contains.

Yxy(41.7103, 0.2303, 0.2910)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.7103, 0.2303, 0.2910)

Conversions

Conversions Part 1

Format	Color
Hex	53BAD4
RGB	83, 186, 212
RGB Percent	33%, 73%, 83%
CMY	0.6746, 0.2706, 0.1685
CMYK	0.61, 0.12, 0.00, 0.17
HSL	192°, 60%, 58%
HSV	192°, 61%, 83%
XYZ	33.0099, 41.7103, 68.6142
YIQ	158.1670, -69.7340, -13.7500

Conversions

Conversions Part 2

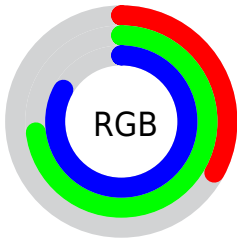
Format	Color
RYB	83, 140, 212
Decimal	5487316
CIELab	70.67, -22.12, -22.03
CIELCh	71, 31.225, 224.885
Yxy	41.7103, 0.2303, 0.2910
Android (android.graphics.Color)	4283677396 (0xFF53BAD4)
YUV	158.1670, 26.5397, -65.9215
Hunter-Lab	64.5835, -21.7863, -17.7818

Details

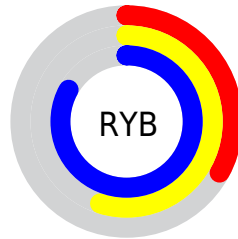
The Yxy color **41.7103, 0.2303, 0.2910** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **25.5604, 0.4811, 0.3597**, and the grayscale version is **34.1706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6536, 0.2511, 0.3140**, and **19.2094, 0.2112, 0.2803** is the 20% darker color. If you saturate the color by 10%, you get **39.1163, 0.2214, 0.2837**, and if you desaturate by 10%, it is **44.6560, 0.2410, 0.2982**.

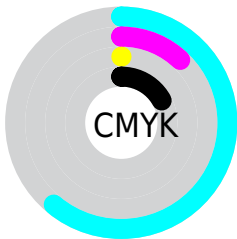
Distribution



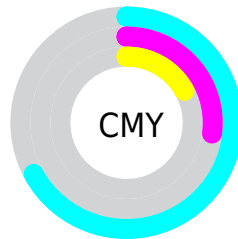
- Red (33%)
- Green (73%)
- Blue (83%)



- Red (33%)
- Yellow (55%)
- Blue (83%)



- Cyan (61%)
- Magenta (12%)
- Yellow (0%)
- Black (17%)





- Cyan (67%)
- Magenta (27%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7103, 0.2303, 0.2910 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 41.7103, 0.2303, 0.2910 by changing the saturation by 10% instead.


 41.7103, 0.2303,
0.2910

 41.7103, 0.2303,
0.2910


353.2806, 0.2708,
0.3113


 28.8745, 0.2205,
0.2856


 77.7610, 0.2448,
0.2986

 18.9859, 0.2082,
0.2785


 101.7447, 0.2503,
0.3014

 11.6601, 0.1922,
0.2689


 130.2131, 0.2550,
0.3037

 6.5127, 0.1709,
0.2551

 163.5507, 0.2590,
0.3057

 3.1593, 0.1414,
0.2339

202.1419, 0.2626,
0.3074

 1.2154, 0.0958,
0.1999

246.3710, 0.2656,

 0.0743, 0.0000,

0.3089

0.0400

296.6224, 0.2684,
0.3101

0.0000, 0.0000,
0.0000

41.7103, 0.2303,
0.2910

41.7103, 0.2303,
0.2910

39.1163, 0.2214,
0.2837

44.6560, 0.2410,
0.2982

36.8411, 0.2145,
0.2763

47.9737, 0.2532,
0.3051

34.8526, 0.2094,
0.2689

51.6870, 0.2667,
0.3116

33.2329, 0.2062,
0.2623

55.8165, 0.2810,
0.3178

60.3810, 0.2961,
0.3234

65.3979, 0.3114,
0.3286

70.8838, 0.3268,
0.3332

76.8543, 0.3420,
0.3374

79.5840, 0.3430,
0.3416

Harmonies

Analogous

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



41.7103, 0.2451, 0.3320



41.7103, 0.2303, 0.2910



41.7103, 0.2354, 0.2646

Triad

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



41.7103, 0.2303, 0.2910



41.7103, 0.3451, 0.2877



41.7103, 0.3644, 0.4092

Complementary

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



41.7103, 0.2303, 0.2910



25.5604, 0.4811, 0.3597

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.



41.7103, 0.3949, 0.3894



41.7103, 0.2303, 0.2910



41.7103, 0.3843, 0.3202

Square

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



41.7103, 0.2303, 0.2910



41.7103, 0.2989, 0.2648



41.7103, 0.4028, 0.3566



41.7103, 0.3213, 0.4056

Rectangle

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



41.7103, 0.2303, 0.2910



41.7103, 0.2495, 0.2570



41.7103, 0.4028, 0.3566



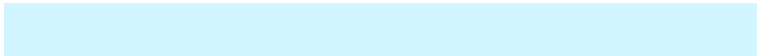
41.7103, 0.3765, 0.4047

Sweetspot

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



41.7118, 0.2303, 0.2910



86.5465, 0.2850, 0.3193



50.0365, 0.2917, 0.4887



18.1043, 0.2807, 0.3176



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.



41.7118, 0.2303, 0.2910



58.3464, 0.2192, 0.2815



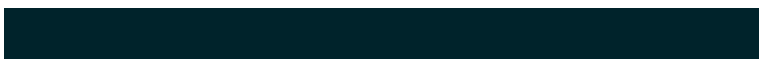
20.4347, 0.2074, 0.1894



13.6627, 0.2983, 0.3242



20.6562, 0.2065, 0.2633



1.3562, 0.2100, 0.2759

Inverse Universe

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



23.7281, 0.3498, 0.2122



30.5319, 0.3600, 0.1965



44.6305, 0.4251, 0.4340



12.5878, 0.3168, 0.3106



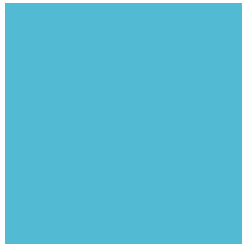
10.4301, 0.3792, 0.1862



0.6402, 0.3672, 0.1797

Previews

White Background



This preview shows how the Yxy color 41.7103, 0.2303, 0.2910 looks on a white background.

Color Contrast Check

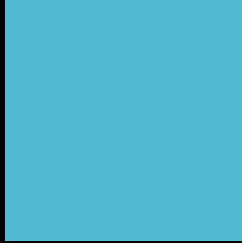
Large Text (above 18pt) WCAG AA × Fail

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 41.7103, 0.2303, 0.2910 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 41.7103, 0.2303, 0.2910

Background



This preview shows how black text looks on a background with the Yxy color 41.7103, 0.2303, 0.2910.



This preview shows how white text looks on a background with the Yxy color 41.7103, 0.2303, 0.2910.

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

41.7103, 0.2303, 0.2910

Protanopia

41.0735, 0.2847, 0.2877

Deuteranopia

41.0701, 0.2738, 0.2669



Tritanopia

41.9405, 0.2338, 0.3065

Trichromacy



Original Color

41.7103, 0.2303, 0.2910

Protanomaly

40.6927, 0.2601, 0.2885

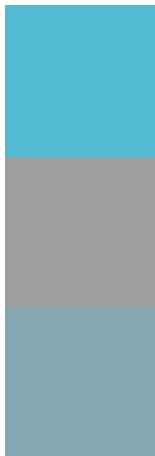
Deuteranomaly

40.8005, 0.2538, 0.2743

Tritanomaly

41.7024, 0.2324, 0.3007

Monochromacy



Original Color

41.7103, 0.2303, 0.2910

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

36.0449, 0.2734, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7103, 0.2303, 0.2910 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(83, 186, 212)` looks like.

```
.text, #text, p{  
    color:rgb(83, 186, 212)  
}
```

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(83, 186, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 186, 212) }
```

Border

The CSS property to change the border of an element to Yxy 41.7103, 0.2303, 0.2910 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(83, 186, 212) }
```

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

```
.border{ border-color:rgb(83, 186, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 186, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 186, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 186, 212);  
box-shadow:4px 4px 4px 4px rgb(83, 186,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7103, 0.2303, 0.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 186, 212) }
```

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

```
.background{ background-color: rgb(83, 186,  
212) }
```

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