

Converting Colors

$Y_{xy}(43.9984, 0.2275, 0.2905)$

Have a look what the booklet for
Yxy(43.9984, 0.2275, 0.2905)
contains.

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Color

Yxy(43.9433, 0.2274, 0.2903)

Conversions

Conversions Part 1

Format	Color
Hex	4EBFDA
RGB	78, 191, 218
RGB Percent	31%, 75%, 85%
CMY	0.6945, 0.2509, 0.1450
CMYK	0.64, 0.12, 0.00, 0.15
HSL	192°, 65%, 58%
HSV	192°, 64%, 85%
XYZ	34.4220, 43.9433, 73.0067
YIQ	160.2910, -76.0150, -15.5590

Conversions

Conversions Part 2

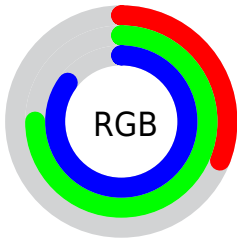
Format	Color
RYB	78, 141, 218
Decimal	5160922
CIELab	72.19, -23.73, -23.00
CIElCh	72, 33.048, 224.099
Yxy	43.9433, 0.2274, 0.2903
Android (android.graphics.Color)	4283351002 (0xFF4EBFDA)
YUV	160.2910, 28.4505, -72.1692
Hunter-Lab	66.2897, -23.3181, -18.8949

Details

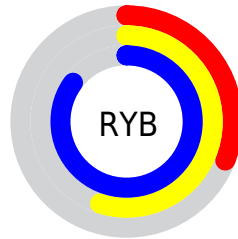
The Yxy color **43.9433, 0.2274, 0.2903** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **25.5379, 0.4967, 0.3591**, and the grayscale version is **35.1759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0175, 0.2510, 0.3209**, and **20.5357, 0.2105, 0.2779** is the 20% darker color. If you saturate the color by 10%, you get **41.3667, 0.2193, 0.2833**, and if you desaturate by 10%, it is **46.8807, 0.2374, 0.2972**.

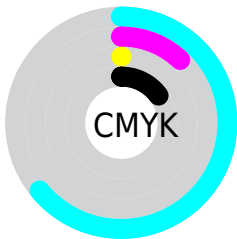
Distribution



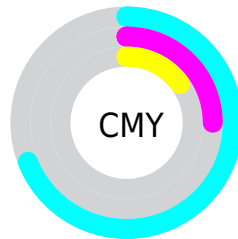
- Red (31%)
- Green (75%)
- Blue (85%)



- Red (31%)
- Yellow (55%)
- Blue (85%)



- Cyan (64%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)




- Cyan (69%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.9433, 0.2274, 0.2903 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 43.9433, 0.2274, 0.2903 by changing the saturation by 10% instead.


 43.9433, 0.2274,
0.2903

 43.9433, 0.2274,
0.2903

362.4769, 0.2689,
0.3108


 30.6259, 0.2175,
0.2849


 81.1324, 0.2421,
0.2980


 20.3142, 0.2051,
0.2778


 105.7730, 0.2478,
0.3008

 12.6236, 0.1892,
0.2683


 134.9567, 0.2526,
0.3032

 7.1699, 0.1682,
0.2547

 169.0680, 0.2567,
0.3052

 3.5686, 0.1395,
0.2342

208.4913, 0.2604,
0.3069

 1.4353, 0.0986,
0.2012

253.6109, 0.2636,

 0.2425, 0.0000,

0.3084

0.0998

304.8113, 0.2664,
0.3097

0.0000, 0.0000,
0.0000

43.9433, 0.2274,
0.2903

43.9433, 0.2274,
0.2903

41.3667, 0.2193,
0.2833

46.8807, 0.2374,
0.2972

39.1140, 0.2131,
0.2762

50.2016, 0.2490,
0.3039

37.1481, 0.2089,
0.2693

53.9324, 0.2620,
0.3103

36.1143, 0.2070,
0.2653

58.0954, 0.2761,
0.3163

62.7112, 0.2909,
0.3219

■ 67.7991, 0.3061,
0.3270

■ 73.3769, 0.3216,
0.3316

■ 79.4616, 0.3369,
0.3357

■ 82.2639, 0.3382,
0.3399

Harmonies

Analogous

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



43.9433, 0.2432, 0.3332



43.9433, 0.2274, 0.2903



43.9433, 0.2322, 0.2626

Triad

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



43.9433, 0.2274, 0.2903



43.9433, 0.3451, 0.2853



43.9433, 0.3673, 0.4121

Complementary

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



43.9433, 0.2274, 0.2903



25.5379, 0.4967, 0.3591

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.



43.9433, 0.3986, 0.3908



43.9433, 0.2274, 0.2903



43.9433, 0.3863, 0.3188

Square

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



43.9433, 0.2274, 0.2903



43.9433, 0.2971, 0.2621



43.9433, 0.4063, 0.3564



43.9433, 0.3227, 0.4094

Rectangle

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



43.9433, 0.2274, 0.2903



43.9433, 0.2464, 0.2545



43.9433, 0.4063, 0.3564



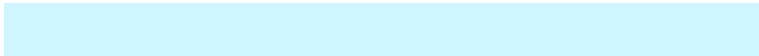
43.9433, 0.3798, 0.4072

Sweetspot

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



43.9449, 0.2274, 0.2903



86.1276, 0.2835, 0.3192



52.7567, 0.2923, 0.5025



18.0338, 0.2793, 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.



43.9449, 0.2274, 0.2903



57.8485, 0.2170, 0.2809



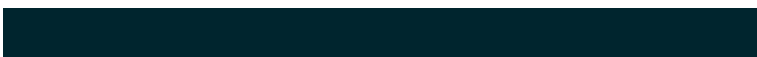
20.6620, 0.2024, 0.1835



14.3808, 0.2982, 0.3244



21.7844, 0.2073, 0.2663



1.5230, 0.2105, 0.2777

Inverse Universe

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



24.1033, 0.3510, 0.2061



29.3703, 0.3611, 0.1917



45.5905, 0.4339, 0.4361



13.2296, 0.3167, 0.3103



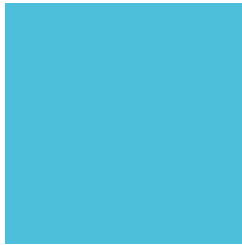
10.8229, 0.3763, 0.1847



0.7124, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 43.9433, 0.2274, 0.2903 looks on a white background.

Color Contrast Check

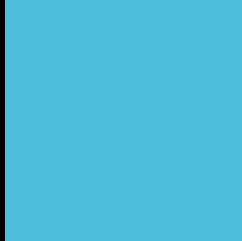
Large Text (above 18pt) WCAG AA × Fail

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 43.9433, 0.2274, 0.2903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

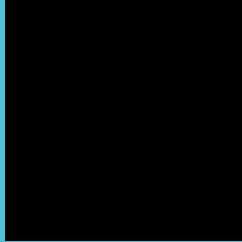
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.9433, 0.2274, 0.2903

Background



This preview shows how black text looks on a background with the Yxy color 43.9433, 0.2274, 0.2903.

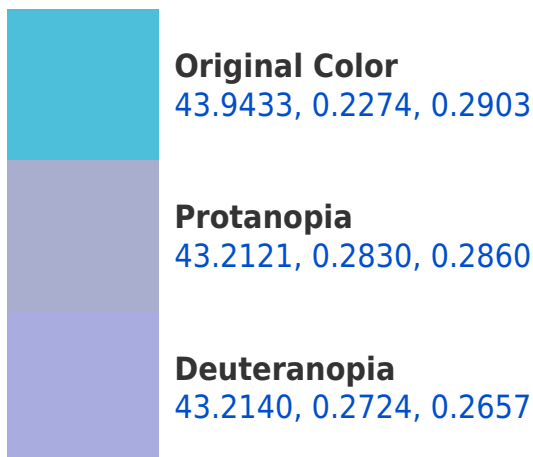


This preview shows how white text looks on a background with the Yxy color 43.9433, 0.2274, 0.2903.

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





Tritanopia

44.1105, 0.2310, 0.3069

Trichromacy



Original Color

43.9433, 0.2274, 0.2903

Protanomaly

42.5799, 0.2572, 0.2865

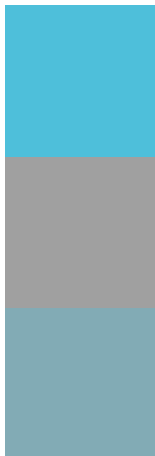
Deuteranomaly

42.6949, 0.2511, 0.2726

Tritanomaly

43.9486, 0.2295, 0.2998

Monochromacy



Original Color

43.9433, 0.2274, 0.2903

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.2078, 0.2709, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9433, 0.2274, 0.2903 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(78, 191, 218)` looks like.

```
.text, #text, p{  
    color:rgb(78, 191, 218)  
}
```

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(78, 191, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 191, 218) }
```

Border

The CSS property to change the border of an element to Yxy 43.9433, 0.2274, 0.2903 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(78, 191, 218) }
```

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

```
.border{ border-color:rgb(78, 191, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 191, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 191, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 191, 218);  
box-shadow:4px 4px 4px 4px rgb(78, 191,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9433, 0.2274, 0.2903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 191, 218) }
```

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

```
.background{ background-color: rgb(78, 191,  
218) }
```

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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