

Converting Colors

$Yxy(43.9322, 0.2247, 0.3100)$

Have a look what the booklet for
Yxy(43.9322, 0.2247, 0.3100)
contains.

Yxy(44.1160, 0.2249, 0.3109)	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(44.1160, 0.2249, 0.3109)

Conversions

Conversions Part 1

Format	Color
Hex	2EC3CF
RGB	46, 195, 207
RGB Percent	18%, 76%, 81%
CMY	0.8186, 0.2353, 0.1882
CMYK	0.78, 0.06, 0.00, 0.19
HSL	184°, 63%, 50%
HSV	184°, 78%, 81%
XYZ	31.9128, 44.1160, 65.8689
YIQ	151.8170, -92.6560, -27.8560

Conversions

Conversions Part 2

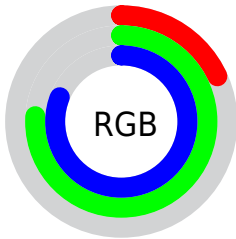
Format	Color
R_{YB}	46, 123, 207
Decimal	3064783
CIE _{Lab}	72.31, -33.11, -16.90
CIE _{LCh}	72, 37.173, 207.037
Yxy	44.1160, 0.2249, 0.3109
Android (android.graphics.Color)	4281254863 (0xFF2EC3CF)
YUV	151.8170, 27.2052, -92.8015
Hunter-Lab	66.4199, -30.4708, -12.3043




Details

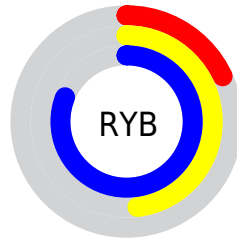
The Yxy color **44.1160, 0.2249, 0.3109** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **16.5187, 0.5710, 0.3398**, and the grayscale version is **31.2580, 0.3127, 0.3290**.




A 20% lighter version of the original color is **80.7627, 0.2436, 0.3253**, and **21.3497, 0.2180, 0.3047** is the 20% darker color. If you saturate the color by 10%, you get **43.0548, 0.2209, 0.3084**, and if you desaturate by 10%, it is **45.4196, 0.2308, 0.3135**.

Distribution







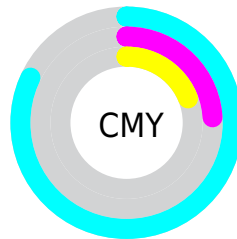
-  Red (18%)
-  Green (76%)
-  Blue (81%)






-  Red (18%)
-  Yellow (48%)
-  Blue (81%)



-  Cyan (78%)
-  Magenta (6%)
-  Yellow (0%)
-  Black (19%)





-  Cyan (82%)
-  Magenta (24%)
-  Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1160, 0.2249, 0.3109 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 44.1160, 0.2249, 0.3109 by changing the saturation by 10% instead.


 44.1160, 0.2249,
0.3109


 44.1160, 0.2249,
0.3109


363.1814, 0.2677,
0.3214


 30.7617, 0.2147,
0.3079


 81.3923, 0.2401,
0.3150


 20.4175, 0.2018,
0.3037


 106.0830, 0.2459,
0.3165


 12.6989, 0.1853,
0.2978


 135.3214, 0.2509,
0.3177

 7.2215, 0.1634,
0.2890

 169.4918, 0.2552,
0.3187

 3.6010, 0.1333,
0.2746

 208.9786, 0.2589,
0.3195

 1.4530, 0.0839,
0.2505

254.1662, 0.2622,

 0.2553, 0.0000,

0.3203

0.1415

305.4390, 0.2651,
0.3209

■ 0.0000, 0.0000,
0.0000

■ 44.1160, 0.2249,
0.3109

■ 44.1160, 0.2249,
0.3109

■ 43.0548, 0.2209,
0.3084

■ 45.4196, 0.2308,
0.3135

■ 42.1897, 0.2186,
0.3059

■ 46.9900, 0.2385,
0.3160

■ 41.9996, 0.2181,
0.3053

■ 48.8540, 0.2481,
0.3185

■ 51.0337, 0.2595,
0.3210

■ 53.5492, 0.2722,
0.3233

■ 56.4185, 0.2861,
0.3255

■ 59.6589, 0.3010,
0.3275

■ 63.2860, 0.3164,
0.3294

■ 67.3147, 0.3321,
0.3311

Harmonies

Analogous

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



44.1160, 0.2543, 0.3641



44.1160, 0.2249, 0.3109



44.1160, 0.2174, 0.2694

Triad

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



44.1160, 0.2249, 0.3109



44.1160, 0.3179, 0.2641



44.1160, 0.3962, 0.4106

Complementary

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



44.1160, 0.2249, 0.3109



16.5187, 0.5710, 0.3398

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.



44.1160, 0.4177, 0.3763



44.1160, 0.2249, 0.3109



44.1160, 0.3710, 0.2952

Square

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



44.1160, 0.2249, 0.3109



44.1160, 0.2675, 0.2471



44.1160, 0.4088, 0.3349



44.1160, 0.3528, 0.4253

Rectangle

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



44.1160, 0.2249, 0.3109



44.1160, 0.2249, 0.2528



44.1160, 0.4088, 0.3349



44.1160, 0.4063, 0.4006

Sweetspot

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



44.1176, 0.2249, 0.3109



87.7571, 0.2782, 0.3243



45.5111, 0.2984, 0.5613



18.4349, 0.2732, 0.3235



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.



44.1176, 0.2249, 0.3109



68.0727, 0.2193, 0.3068



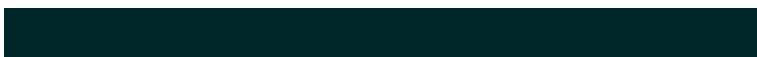
17.5622, 0.1909, 0.1799



13.2495, 0.2983, 0.3272



26.5208, 0.2182, 0.3056



1.5290, 0.2195, 0.3102

Inverse Universe

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



19.1796, 0.3351, 0.1757



27.8181, 0.3394, 0.1663



31.4554, 0.4792, 0.4279



11.9932, 0.3149, 0.3078



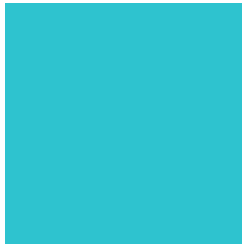
10.7486, 0.3405, 0.1649



0.6056, 0.3365, 0.1627

Previews

White Background



This preview shows how the Yxy color 44.1160, 0.2249, 0.3109 looks on a white background.

Color Contrast Check

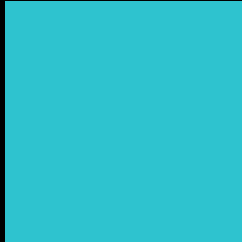
Large Text (above 18pt) WCAG AA × Fail

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 44.1160, 0.2249, 0.3109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

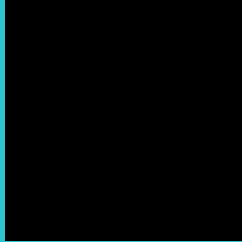
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

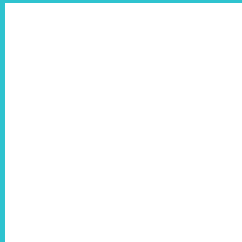
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.1160, 0.2249, 0.3109

Background



This preview shows how black text looks on a background with the Yxy color 44.1160, 0.2249, 0.3109.



This preview shows how white text looks on a background with the Yxy color 44.1160, 0.2249, 0.3109.

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

44.1160, 0.2249, 0.3109

Protanopia

43.5537, 0.2968, 0.3040

Deuteranopia

43.3725, 0.2841, 0.2780



Tritanopia

43.8897, 0.2238, 0.3052

Trichromacy



Original Color

44.1160, 0.2249, 0.3109



Protanomaly

42.1686, 0.2597, 0.3047



Deuteranomaly

41.8849, 0.2527, 0.2872



Tritanomaly

43.8154, 0.2240, 0.3066

Monochromacy



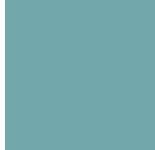
Original Color

44.1160, 0.2249, 0.3109



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.5612, 0.2649, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1160, 0.2249, 0.3109 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(46, 195, 207)` looks like.

```
.text, #text, p{  
    color:rgb(46, 195, 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(46, 195, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 195, 207) }
```

Border

The CSS property to change the border of an element to Yxy 44.1160, 0.2249, 0.3109 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(46, 195, 207) }
```

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

```
.border{ border-color:rgb(46, 195, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 195, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 195, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 195, 207);  
box-shadow:4px 4px 4px 4px rgb(46, 195,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1160, 0.2249, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 195, 207) }
```

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

```
.background{ background-color: rgb(46, 195,  
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](#).

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