

Converting Colors

$Yxy(44.9547, 0.2210, 0.3017)$

Have a look what the booklet for
Yxy(44.9547, 0.2210, 0.3017)
contains.

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Color

Yxy(44.8373, 0.2208, 0.3011)

Conversions

Conversions Part 1

Format	Color
Hex	28C4D7
RGB	40, 196, 215
RGB Percent	16%, 77%, 84%
CMY	0.8429, 0.2314, 0.1570
CMYK	0.81, 0.09, 0.00, 0.16
HSL	187°, 69%, 50%
HSV	187°, 81%, 84%
XYZ	32.8797, 44.8373, 71.1947
YIQ	151.5220, -99.0750, -27.1630

Conversions

Conversions Part 2

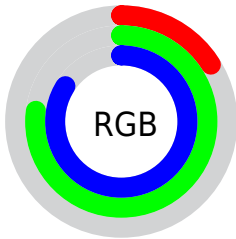
Format	Color
R _Y B	40, 122, 215
Decimal	2671831
CIE Lab	72.78, -31.70, -20.51
CIE LCh	73, 37.757, 212.909
Yxy	44.8373, 0.2208, 0.3011
Android (android.graphics.Color)	4280861911 (0xFF28C4D7)
YUV	151.5220, 31.2947, -97.8048
Hunter-Lab	66.9607, -29.5323, -16.1665

Details

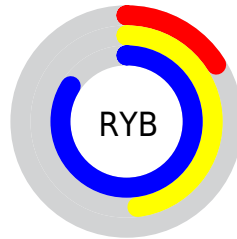
The Yxy color **44.8373, 0.2208, 0.3011** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.7294, 0.5813, 0.3439**, and the grayscale version is **31.0866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3221, 0.2435, 0.3265**, and **21.8841, 0.2149, 0.2936** is the 20% darker color. If you saturate the color by 10%, you get **43.4767, 0.2171, 0.2974**, and if you desaturate by 10%, it is **46.4569, 0.2264, 0.3049**.

Distribution



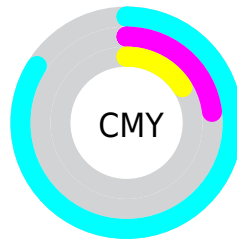
- Red (16%)
- Green (77%)
- Blue (84%)



- Red (16%)
- Yellow (48%)
- Blue (84%)



- Cyan (81%)
- Magenta (9%)
- Yellow (0%)
- Black (16%)




- Cyan (84%)
- Magenta (23%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8373, 0.2208, 0.3011 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 44.8373, 0.2208, 0.3011 by changing the saturation by 10% instead.


 44.8373, 0.2208,
0.3011

 44.8373, 0.2208,
0.3011


366.1142, 0.2653,
0.3166


 31.3293, 0.2103,
0.2968


 82.4762, 0.2365,
0.3070

 20.8497, 0.1971,
0.2912


 107.3759, 0.2426,
0.3092

 13.0142, 0.1804,
0.2833


 136.8416, 0.2477,
0.3109

 7.4383, 0.1583,
0.2719

 171.2577, 0.2522,
0.3124

 3.7377, 0.1285,
0.2541

 211.0087, 0.2561,
0.3137

 1.5279, 0.0841,
0.2248

256.4788, 0.2595,

 0.3083, 0.0000,

0.3148

0.1327

308.0525, 0.2626,
0.3157

■ 0.0000, 0.0000,
0.0000

■ 44.8373, 0.2208,
0.3011

■ 44.8373, 0.2208,
0.3011

■ 43.4767, 0.2171,
0.2974

■ 46.4569, 0.2264,
0.3049

■ 42.4539, 0.2151,
0.2942

■ 48.3653, 0.2339,
0.3087

■ 50.5933, 0.2432,
0.3124

■ 53.1664, 0.2543,
0.3160

■ 56.1073, 0.2669,
0.3195

■ 59.4368, 0.2807,
0.3228

■ 63.1740, 0.2953,
0.3258

■ 67.3368, 0.3106,
0.3286

■ 71.9419, 0.3262,
0.3312

Harmonies

Analogous

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



44.8373, 0.2463, 0.3538



44.8373, 0.2208, 0.3011



44.8373, 0.2177, 0.2629

Triad

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



44.8373, 0.2208, 0.3011



44.8373, 0.3287, 0.2687



44.8373, 0.3897, 0.4163

Complementary

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



44.8373, 0.2208, 0.3011



17.7294, 0.5813, 0.3439

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.



44.8373, 0.4168, 0.3843



44.8373, 0.2208, 0.3011



44.8373, 0.3808, 0.3023

Square

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



44.8373, 0.2208, 0.3011



44.8373, 0.2761, 0.2483



44.8373, 0.4141, 0.3432



44.8373, 0.3431, 0.4258

Rectangle

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



44.8373, 0.2208, 0.3011



44.8373, 0.2281, 0.2490



44.8373, 0.4141, 0.3432



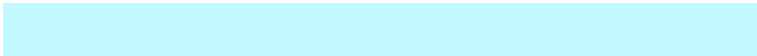
44.8373, 0.4015, 0.4074

Sweetspot

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



44.8389, 0.2208, 0.3011



86.0201, 0.2766, 0.3219



49.3423, 0.2967, 0.5648



18.0331, 0.2716, 0.3207



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.



44.8389, 0.2208, 0.3011



62.6805, 0.2154, 0.2946



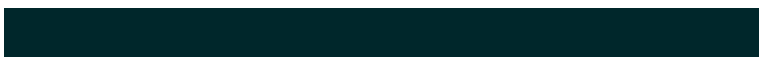
16.5163, 0.1840, 0.1624



13.8670, 0.2983, 0.3264



25.4941, 0.2152, 0.2947



1.6050, 0.2170, 0.3011

Inverse Universe

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



19.9514, 0.3437, 0.1770



26.9662, 0.3502, 0.1708



34.8520, 0.4811, 0.4352



12.6084, 0.3154, 0.3085



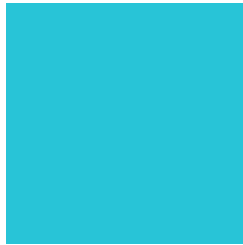
10.9185, 0.3501, 0.1702



0.6653, 0.3444, 0.1671

Previews

White Background



This preview shows how the Yxy color 44.8373, 0.2208, 0.3011 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 44.8373, 0.2208, 0.3011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

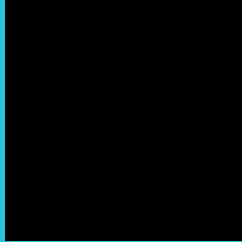
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8373, 0.2208, 0.3011

Background



This preview shows how black text looks on a background with the Yxy color 44.8373, 0.2208, 0.3011.

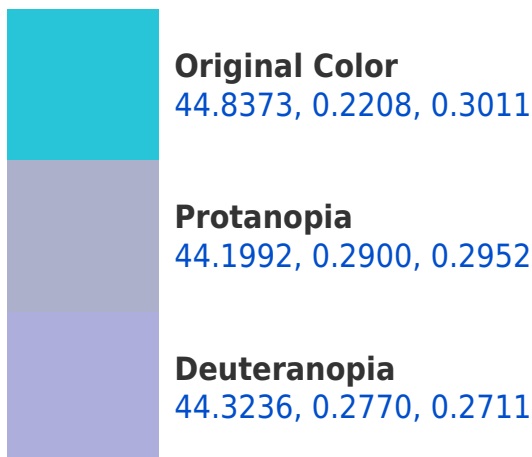


This preview shows how white text looks on a background with the Yxy color 44.8373, 0.2208, 0.3011.

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

44.6266, 0.2215, 0.3052

Trichromacy



Original Color

44.8373, 0.2208, 0.3011



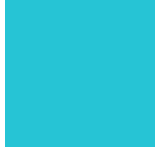
Protanomaly

42.7319, 0.2532, 0.2952



Deuteranomaly

42.8778, 0.2468, 0.2796



Tritanomaly

44.6960, 0.2213, 0.3038

Monochromacy



Original Color

44.8373, 0.2208, 0.3011



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.4799, 0.2608, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8373, 0.2208, 0.3011 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(40, 196, 215)` looks like.

```
.text, #text, p{  
    color:rgb(40, 196, 215)  
}
```

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(40, 196, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 196, 215) }
```

Border

The CSS property to change the border of an element to Yxy 44.8373, 0.2208, 0.3011 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(40, 196, 215) }
```

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

```
.border{ border-color:rgb(40, 196, 215) }
```

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

Here you see how a box with a 4 pixel rgb(40, 196, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 196, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 196, 215);  
box-shadow:4px 4px 4px 4px rgb(40, 196,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8373, 0.2208, 0.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 196, 215) }
```

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

```
.background{ background-color: rgb(40, 196,  
215) }
```

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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