

Converting Colors

$Y_{xy}(46.2431, 0.2136, 0.3294)$

Have a look what the booklet for
Yxy(46.2431, 0.2136, 0.3294)
contains.

Yxy(47.4975, 0.2251, 0.3302)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.4975, 0.2251, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	01CCCB
RGB	1, 204, 203
RGB Percent	0%, 80%, 80%
CMY	0.9972, 0.2000, 0.2039
CMYK	1.00, 0.00, 0.00, 0.20
HSL	180°, 99%, 40%
HSV	180°, 100%, 80%
XYZ	32.3794, 47.4975, 63.9677
YIQ	143.1890, -120.6670, -43.3470

Conversions

Conversions Part 2

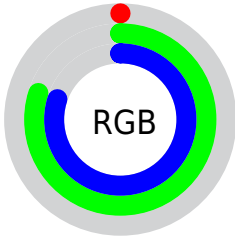
Format	Color
RYB	1, 103, 204
Decimal	117963
CIELab	74.51, -40.91, -11.46
CIELCh	75, 42.486, 195.648
Yxy	47.4975, 0.2251, 0.3302
Android (android.graphics.Color)	4278308043 (0xFF01CCCB)
YUV	143.1890, 29.4868, -124.6998
Hunter-Lab	68.9184, -36.7439, -6.7880

Details

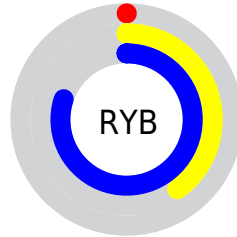
The Yxy color **47.4975, 0.2251, 0.3302** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.8553, 0.6391, 0.3297**, and the grayscale version is **27.4249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **23.6648, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **47.4946, 0.2251, 0.3302**, and if you desaturate by 10%, it is **47.6600, 0.2264, 0.3301**.

Distribution



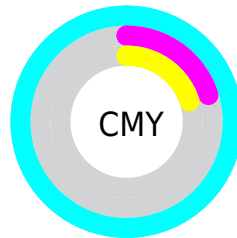
- Red (0%)
- Green (80%)
- Blue (80%)



- Red (0%)
- Yellow (40%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4975, 0.2251, 0.3302 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 47.4975, 0.2251, 0.3302 by changing the saturation by 10% instead.


 47.4975, 0.2251,
0.3302


 47.4975, 0.2251,
0.3302


376.7969, 0.2675,
0.3309

 33.4291, 0.2150,
0.3296


 86.4558, 0.2401,
0.3308

 22.4554, 0.2024,
0.3287


 112.1144, 0.2459,
0.3309

 14.1919, 0.1863,
0.3270


 142.4053, 0.2508,
0.3309

 8.2542, 0.1649,
0.3240

 177.7128, 0.2550,
0.3310

 4.2581, 0.1357,
0.3180

 218.4213, 0.2587,
0.3310

 1.8189, 0.0891,
0.3070

264.9152, 0.2620,

 0.4989, 0.0000,

0.3310

0.2632

317.5790, 0.2649,
0.3309

■ 0.0000, 0.0000,
0.0000

■ 47.4975, 0.2251,
0.3302

■ 47.4975, 0.2251,
0.3302

■ 47.4946, 0.2251,
0.3302

■ 47.6600, 0.2264,
0.3301

■ 47.9859, 0.2291,
0.3299

■ 48.5297, 0.2337,
0.3298

■ 49.3208, 0.2401,
0.3296

■ 50.3840, 0.2484,
0.3295

■ 51.7411, 0.2586,
0.3294

■ 53.4118, 0.2704,
0.3293

■ 55.4139, 0.2837,
0.3292

■ 57.7640, 0.2980,
0.3291

Harmonies

Analogous

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



47.4975, 0.2654, 0.3901



47.4975, 0.2251, 0.3302



47.4975, 0.2078, 0.2773

Triad

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



47.4975, 0.2251, 0.3302



47.4975, 0.2956, 0.2483



47.4975, 0.4178, 0.4058

Complementary

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



47.4975, 0.2251, 0.3302



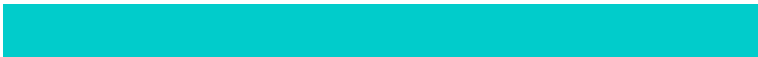
12.8553, 0.6391, 0.3297

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.



47.4975, 0.4302, 0.3632



47.4975, 0.2251, 0.3302



47.4975, 0.3559, 0.2771

Square

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



47.4975, 0.2251, 0.3302



47.4975, 0.2453, 0.2366



47.4975, 0.4072, 0.3177



47.4975, 0.3768, 0.4336

Rectangle

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



47.4975, 0.2251, 0.3302



47.4975, 0.2099, 0.2535



47.4975, 0.4072, 0.3177



47.4975, 0.4257, 0.3926

Sweetspot

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



47.4993, 0.2251, 0.3302



88.2405, 0.2695, 0.3293



43.2103, 0.3003, 0.5995



18.6238, 0.2643, 0.3293



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.



47.4993, 0.2251, 0.3302



78.6610, 0.2251, 0.3302



14.6175, 0.1787, 0.1629



12.7261, 0.2984, 0.3291



29.8964, 0.2251, 0.3302



1.5426, 0.2250, 0.3299

Inverse Universe

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



12.8553, 0.6391, 0.3297



21.2627, 0.6397, 0.3298



21.7539, 0.5459, 0.4044



11.2145, 0.3289, 0.3289



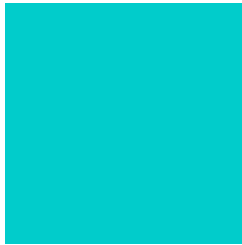
8.0818, 0.6395, 0.3296



0.4172, 0.6375, 0.3285

Previews

White Background



This preview shows how the Yxy color 47.4975, 0.2251, 0.3302 looks on a white background.

Color Contrast Check

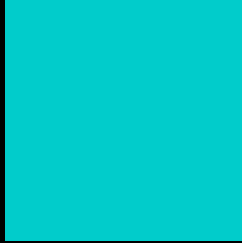
Large Text (above 18pt) WCAG AA × Fail

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 47.4975, 0.2251, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

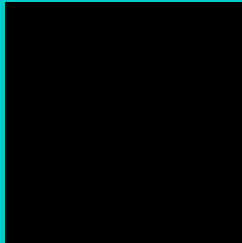
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

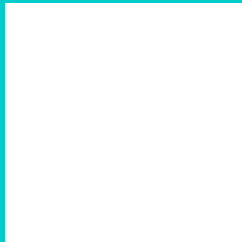
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4975, 0.2251, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 47.4975, 0.2251, 0.3302.

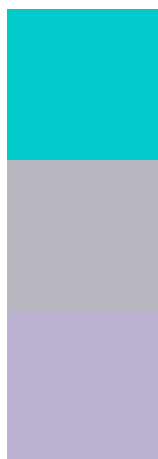


This preview shows how white text looks on a background with the Yxy color 47.4975, 0.2251, 0.3302.

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

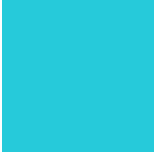
47.5040, 0.2251, 0.3302

Protanopia

46.7891, 0.3081, 0.3187

Deuteranopia

46.6125, 0.2962, 0.2893



Tritanopia

47.7151, 0.2216, 0.3059

Trichromacy



Original Color

47.5040, 0.2251, 0.3302



Protanomaly

44.0721, 0.2574, 0.3216



Deuteranomaly

43.9676, 0.2506, 0.3007



Tritanomaly

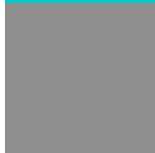
47.7102, 0.2222, 0.3142

Monochromacy



Original Color

47.5040, 0.2251, 0.3302



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.8510, 0.2536, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4975, 0.2251, 0.3302 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(1, 204, 203)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 203)  
}
```

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(1, 204, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 203) }
```

Border

The CSS property to change the border of an element to Yxy 47.4975, 0.2251, 0.3302 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(1, 204, 203) }
```

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

```
.border{ border-color:rgb(1, 204, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 204, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 203);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4975, 0.2251, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 203) }
```

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

```
.background{ background-color: rgb(1, 204,  
203) }
```

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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