

Converting Colors

$Y_{xy}(46.8796, 0.2241, 0.3266)$

Have a look what the booklet for
Yxy(46.8796, 0.2241, 0.3266)
contains.

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Color

Yxy(47.0780, 0.2243, 0.3273)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 01CBCC |
| RGB | 1, 203, 204 |
| RGB Percent | 0%, 80%, 80% |
| CMY | 0.9969, 0.2039, 0.2001 |
| CMYK | 1.00, 0.00, 0.00, 0.20 |
| HSL | 180°, 99%, 40% |
| HSV | 180°, 100%, 80% |
| XYZ | 32.2627, 47.0780, 64.4967 |
| YIQ | 142.7160, -120.7130, -42.5130 |

Conversions

Conversions Part 2

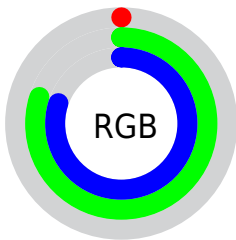
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 1, 102, 204 |
| Decimal | 117708 |
| CIELab | 74.24, -40.18, -12.38 |
| CIELCh | 74, 42.043, 197.126 |
| Yxy | 47.0780, 0.2243, 0.3273 |
| Android (android.graphics.Color) | 4278307788 (0xFF01CBCC) |
| YUV | 142.7160, 30.2130, -124.2849 |
| Hunter-Lab | 68.6134, -36.1409, -7.7033 |

Details

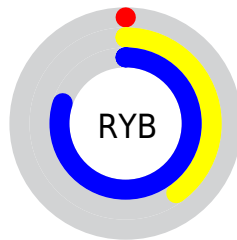
The Yxy color **47.0780, 0.2243, 0.3273** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.8739, 0.6392, 0.3302**, and the grayscale version is **27.2385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **23.3818, 0.2236, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **47.0728, 0.2243, 0.3273**, and if you desaturate by 10%, it is **47.2820, 0.2257, 0.3275**.

Distribution



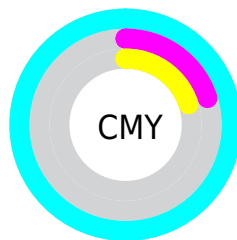
- Red (0%)
- Green (80%)
- Blue (80%)



- 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 47.0780, 0.2243, 0.3273 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 47.0780, 0.2243, 0.3273 by changing the saturation by 10% instead.


 47.0780, 0.2243,
0.3273

 47.0780, 0.2243,
0.3273

375.1258, 0.2671,
0.3295

 33.0973, 0.2141,
0.3263


 85.8300, 0.2395,
0.3284

 22.2010, 0.2014,
0.3249


 111.3702, 0.2453,
0.3287


 14.0047, 0.1851,
0.3225


 141.5323, 0.2502,
0.3290

 8.1239, 0.1636,
0.3186

 176.7007, 0.2545,
0.3292

 4.1743, 0.1342,
0.3112

 217.2599, 0.2583,
0.3293

 1.7716, 0.0871,
0.2980

263.5942, 0.2616,

 0.4694, 0.0000,

0.3294

0.2461

316.0880, 0.2645,
0.3295

0.0000, 0.0000,
0.0000

47.0780, 0.2243,
0.3273

47.0780, 0.2243,
0.3273

47.0728, 0.2243,
0.3273

47.2820, 0.2257,
0.3275

47.6500, 0.2285,
0.3276

48.2360, 0.2331,
0.3278

49.0694, 0.2397,
0.3280

50.1750, 0.2481,
0.3281

■ 51.5746, 0.2584,
0.3283

■ 53.2877, 0.2703,
0.3285

■ 55.3324, 0.2836,
0.3287

■ 57.7250, 0.2980,
0.3288

Harmonies

Analogous

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



47.0780, 0.2633, 0.3869



47.0780, 0.2243, 0.3273



47.0780, 0.2083, 0.2756

Triad

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



47.0780, 0.2243, 0.3273



47.0780, 0.2986, 0.2499



47.0780, 0.4157, 0.4072

Complementary

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



47.0780, 0.2243, 0.3273



12.8739, 0.6392, 0.3302

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.



47.0780, 0.4296, 0.3653



47.0780, 0.2243, 0.3273



47.0780, 0.3584, 0.2792

Square

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



47.0780, 0.2243, 0.3273



47.0780, 0.2478, 0.2374



47.0780, 0.4084, 0.3199



47.0780, 0.3739, 0.4335

Rectangle

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



47.0780, 0.2243, 0.3273



47.0780, 0.2112, 0.2527



47.0780, 0.4084, 0.3199



47.0780, 0.4239, 0.3942

Sweetspot

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



47.0797, 0.2243, 0.3273



88.0324, 0.2693, 0.3285



43.1808, 0.3000, 0.5997



18.5730, 0.2641, 0.3284



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.



47.0797, 0.2243, 0.3273



77.9689, 0.2243, 0.3273



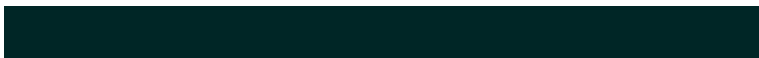
13.9427, 0.1771, 0.1573



12.7175, 0.2984, 0.3288



29.6405, 0.2243, 0.3273



1.5321, 0.2243, 0.3276

Inverse Universe

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



17.1634, 0.3221, 0.1549



28.4022, 0.3221, 0.1548



22.4147, 0.5409, 0.4084



11.4028, 0.3139, 0.3063



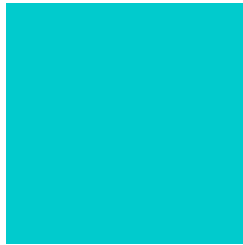
10.7952, 0.3221, 0.1548



0.5572, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 47.0780, 0.2243, 0.3273 looks on a white background.

Color Contrast Check

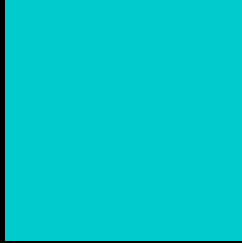
Large Text (above 18pt) WCAG AA × Fail

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 47.0780, 0.2243, 0.3273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

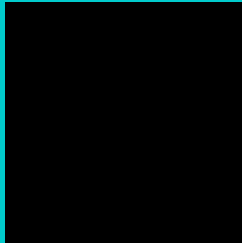
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

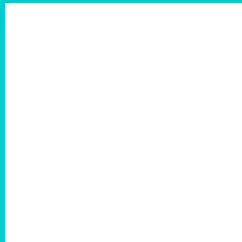
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0780, 0.2243, 0.3273

Background



This preview shows how black text looks on a background with the Yxy color 47.0780, 0.2243, 0.3273.

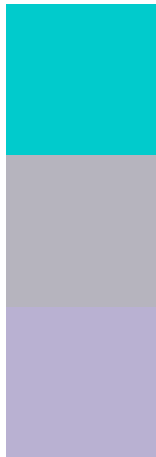


This preview shows how white text looks on a background with the Yxy color 47.0780, 0.2243, 0.3273.

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

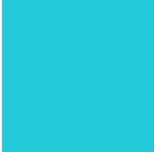
47.0780, 0.2243, 0.3273

Protanopia

46.3053, 0.3065, 0.3161

Deuteranopia

46.4117, 0.2938, 0.2879



Tritanopia

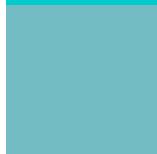
47.1581, 0.2213, 0.3057

Trichromacy



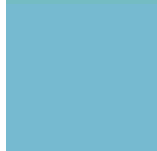
Original Color

47.0780, 0.2243, 0.3273



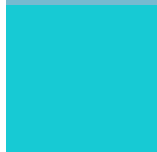
Protanomaly

43.6196, 0.2560, 0.3187



Deuteranomaly

43.5234, 0.2493, 0.2979



Tritanomaly

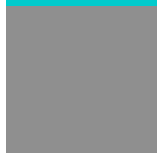
47.1767, 0.2221, 0.3142

Monochromacy



Original Color

47.0780, 0.2243, 0.3273



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 47.0780, 0.2243, 0.3273 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, 203, 204)` looks like.

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

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, 203, 204) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 47.0780, 0.2243, 0.3273 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, 203, 204) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to Yxy 47.0780, 0.2243, 0.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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