

Converting Colors

$Y_{xy}(47.1280, 0.1890, 0.3206)$

Have a look what the booklet for
Yxy(47.1280, 0.1890, 0.3206)
contains.

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Color

Yxy(50.9995, 0.2227, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	01D2D7
RGB	1, 210, 215
RGB Percent	0%, 82%, 84%
CMY	0.9978, 0.1765, 0.1569
CMYK	1.00, 0.02, 0.00, 0.16
HSL	181°, 99%, 42%
HSV	181°, 100%, 84%
XYZ	35.3159, 50.9995, 72.2651
YIQ	148.0790, -126.1690, -42.7530

Conversions

Conversions Part 2

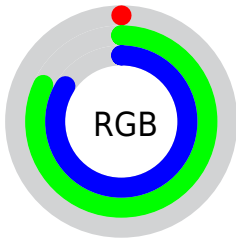
Format	Color
RYB	1, 107, 215
Decimal	119511
CIELab	76.68, -40.02, -14.67
CIELCh	77, 42.622, 200.125
Yxy	50.9995, 0.2227, 0.3216
Android (android.graphics.Color)	4278309591 (0xFF01D2D7)
YUV	148.0790, 32.9921, -128.9883
Hunter-Lab	71.4139, -36.7019, -10.0070

Details

The Yxy color **50.9995, 0.2227, 0.3216** 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 **14.5673, 0.6383, 0.3311**, and the grayscale version is **29.4884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **25.9808, 0.2220, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **50.9914, 0.2227, 0.3216**, and if you desaturate by 10%, it is **51.4166, 0.2242, 0.3223**.

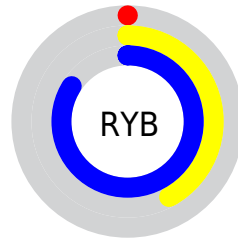
Distribution



Red (0%)

Green (82%)

Blue (84%)



Red (0%)

Yellow (42%)

Blue (84%)

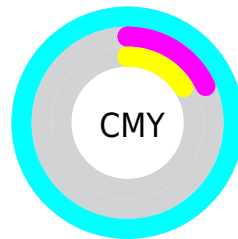


Cyan (100%)

Magenta (2%)

Yellow (0%)

Black (16%)



Cyan (100%)


Magenta (18%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9995, 0.2227, 0.3216 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 50.9995, 0.2227, 0.3216 by changing the saturation by 10% instead.


 50.9995, 0.2227,
0.3216

 50.9995, 0.2227,
0.3216


390.5618, 0.2655,
0.3267


 36.2082, 0.2127,
0.3199


 91.6540, 0.2377,
0.3237


 24.5950, 0.2003,
0.3176


 118.2861, 0.2435,
0.3245


 15.7756, 0.1846,
0.3142


 149.6338, 0.2485,
0.3250

 9.3655, 0.1641,
0.3089

 186.0816, 0.2528,
0.3255

 4.9803, 0.1366,
0.3000

 228.0140, 0.2566,
0.3259

 2.2357, 0.0987,
0.2835

275.8152, 0.2599,

 0.7394, 0.0000,

0.3262

0.2590

329.8697, 0.2629,
0.3265

■ 0.0000, 0.0000,
0.0000

■ 50.9995, 0.2227,
0.3216

■ 50.9995, 0.2227,
0.3216

■ 50.9914, 0.2227,
0.3216

■ 51.4166, 0.2242,
0.3223

■ 52.0193, 0.2272,
0.3231

■ 52.8684, 0.2320,
0.3239

■ 53.9974, 0.2387,
0.3247

■ 55.4346, 0.2473,
0.3255

■ 57.2050, 0.2578,
0.3262

■ 59.3309, 0.2698,
0.3270

■ 61.8327, 0.2833,
0.3277

■ 64.7292, 0.2978,
0.3284

Harmonies

Analogous

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



50.9995, 0.2593, 0.3806



50.9995, 0.2227, 0.3216



50.9995, 0.2093, 0.2723

Triad

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



50.9995, 0.2227, 0.3216



50.9995, 0.3046, 0.2530



50.9995, 0.4113, 0.4099

Complementary

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



50.9995, 0.2227, 0.3216



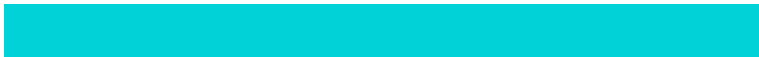
14.5673, 0.6383, 0.3311

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.



50.9995, 0.4282, 0.3694



50.9995, 0.2227, 0.3216



50.9995, 0.3636, 0.2834

Square

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



50.9995, 0.2227, 0.3216



50.9995, 0.2529, 0.2388



50.9995, 0.4108, 0.3245



50.9995, 0.3681, 0.4333

Rectangle

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



50.9995, 0.2227, 0.3216



50.9995, 0.2137, 0.2511



50.9995, 0.4108, 0.3245



50.9995, 0.4205, 0.3975

Sweetspot

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



51.0014, 0.2227, 0.3216



87.1330, 0.2691, 0.3270



48.6086, 0.2998, 0.5990



18.3536, 0.2638, 0.3266



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.



51.0014, 0.2227, 0.3216



75.0101, 0.2227, 0.3215



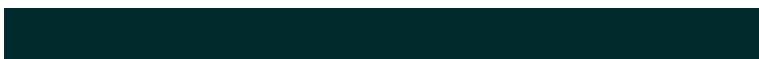
14.8500, 0.1753, 0.1510



14.0559, 0.2983, 0.3284



30.5251, 0.2227, 0.3217



1.8572, 0.2231, 0.3230

Inverse Universe

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



19.1107, 0.3268, 0.1575



28.1035, 0.3269, 0.1575



25.8914, 0.5367, 0.4118



12.6275, 0.3141, 0.3066



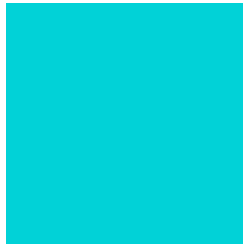
11.4264, 0.3268, 0.1574



0.6908, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 50.9995, 0.2227, 0.3216 looks on a white background.

Color Contrast Check

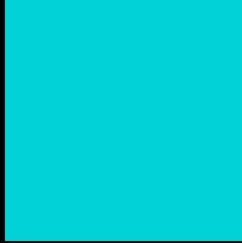
Large Text (above 18pt) WCAG AA × Fail

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 50.9995, 0.2227, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

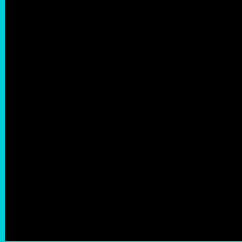
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

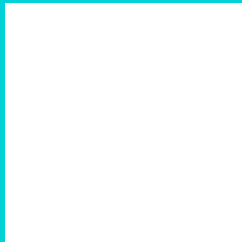
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9995, 0.2227, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 50.9995, 0.2227, 0.3216.

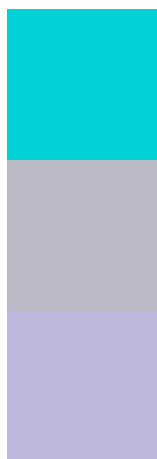


This preview shows how white text looks on a background with the Yxy color 50.9995, 0.2227, 0.3216.

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

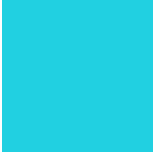
51.0059, 0.2227, 0.3216

Protanopia

50.2756, 0.3029, 0.3128

Deuteranopia

50.0346, 0.2900, 0.2833



Tritanopia

50.8713, 0.2205, 0.3051

Trichromacy



Original Color

51.0059, 0.2227, 0.3216



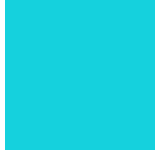
Protanomaly

47.3599, 0.2536, 0.3149



Deuteranomaly

47.3193, 0.2467, 0.2937



Tritanomaly

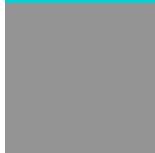
50.9808, 0.2212, 0.3118

Monochromacy



Original Color

51.0059, 0.2227, 0.3216



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.4841, 0.2526, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9995, 0.2227, 0.3216 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, 210, 215)` looks like.

```
.text, #text, p{  
    color:rgb(1, 210, 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(1, 210, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 210, 215) }
```

Border

The CSS property to change the border of an element to Yxy 50.9995, 0.2227, 0.3216 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, 210, 215) }
```

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

```
.border{ border-color:rgb(1, 210, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 210, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 210, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 210, 215);  
box-shadow:4px 4px 4px 4px rgb(1, 210,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9995, 0.2227, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 210, 215) }
```

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

```
.background{ background-color: rgb(1, 210,  
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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