

Converting Colors

$Yxy(53.7682, 0.2227, 0.3217)$

Have a look what the booklet for
Yxy(53.7682, 0.2227, 0.3217)
contains.

Yxy(53.7682, 0.2227, 0.3217)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.7682, 0.2227, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	00D7DC
RGB	0, 215, 220
RGB Percent	0%, 84%, 86%
CMY	1.0000, 0.1569, 0.1371
CMYK	1.00, 0.02, 0.00, 0.14
HSL	181°, 100%, 43%
HSV	181°, 100%, 86%
XYZ	37.2216, 53.7682, 76.1479
YIQ	151.2850, -129.7450, -44.0250

Conversions

Conversions Part 2

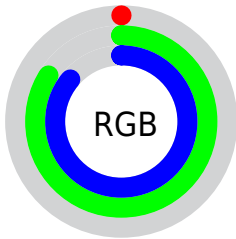
Format	Color
RYB	0, 109, 220
Decimal	55260
CIELab	78.33, -40.77, -14.89
CIELCh	78, 43.405, 200.069
Yxy	53.7682, 0.2227, 0.3217
Android (android.graphics.Color)	4278245340 (0xFF00D7DC)
YUV	151.2850, 33.8765, -132.6769
Hunter-Lab	73.3268, -37.7132, -10.2423

Details

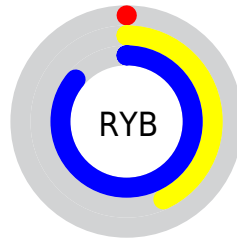
The Yxy color **53.7682, 0.2227, 0.3217** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.3302, 0.6387, 0.3310**, and the grayscale version is **30.9728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **27.5129, 0.2216, 0.3177** is the 20% darker color. If you saturate the color by 10%, you get **53.7700, 0.2227, 0.3217**, and if you desaturate by 10%, it is **54.1975, 0.2242, 0.3224**.

Distribution



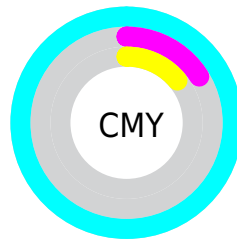
- Red (0%)
- Green (84%)
- Blue (86%)



- Red (0%)
- Yellow (43%)
- Blue (86%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (14%)




- Cyan (100%)
- Magenta (16%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.7682, 0.2227, 0.3217 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 53.7682, 0.2227, 0.3217 by changing the saturation by 10% instead.


 53.7682, 0.2227,
0.3217


 53.7682, 0.2227,
0.3217


401.2255, 0.2651,
0.3267


 38.4164, 0.2129,
0.3201


 95.7338, 0.2375,
0.3238


 26.3060, 0.2008,
0.3178


 123.1164, 0.2433,
0.3245


 17.0527, 0.1855,
0.3146


 155.2780, 0.2482,
0.3251

 10.2721, 0.1657,
0.3095

 192.6031, 0.2525,
0.3255

 5.5797, 0.1393,
0.3012

 235.4759, 0.2562,
0.3259

 2.5913, 0.1034,
0.2860

284.2810, 0.2595,

 0.9223, 0.0000,

0.3262

0.2696

339.4027, 0.2625,
0.3265

■ 0.0000, 0.0000,
0.0000

■ 53.7682, 0.2227,
0.3217

■ 53.7682, 0.2227,
0.3217

■ 53.7700, 0.2227,
0.3217

■ 54.1975, 0.2242,
0.3224

■ 54.8201, 0.2271,
0.3232

■ 55.7015, 0.2318,
0.3240

■ 56.8775, 0.2385,
0.3247

■ 58.3782, 0.2470,
0.3255

■ 60.2300, 0.2574,
0.3263

■ 62.4568, 0.2694,
0.3270

■ 65.0801, 0.2829,
0.3277

■ 68.1200, 0.2974,
0.3284

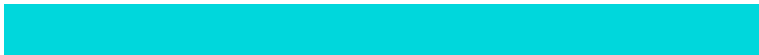
Harmonies

Analogous

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



53.7682, 0.2593, 0.3808



53.7682, 0.2227, 0.3217



53.7682, 0.2092, 0.2724

Triad

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



53.7682, 0.2227, 0.3217



53.7682, 0.3044, 0.2530



53.7682, 0.4114, 0.4098

Complementary

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



53.7682, 0.2227, 0.3217



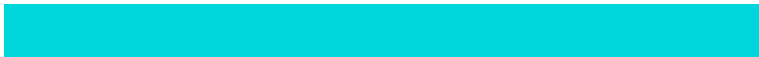
15.3302, 0.6387, 0.3310

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.



53.7682, 0.4283, 0.3694



53.7682, 0.2227, 0.3217



53.7682, 0.3635, 0.2834

Square

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



53.7682, 0.2227, 0.3217



53.7682, 0.2528, 0.2387



53.7682, 0.4107, 0.3244



53.7682, 0.3682, 0.4333

Rectangle

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



53.7682, 0.2227, 0.3217



53.7682, 0.2136, 0.2512



53.7682, 0.4107, 0.3244



53.7682, 0.4206, 0.3975

Sweetspot

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



53.7702, 0.2227, 0.3217



87.1531, 0.2691, 0.3270



51.2114, 0.2998, 0.5992



18.3585, 0.2638, 0.3267



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.



53.7702, 0.2227, 0.3217



75.0755, 0.2227, 0.3216



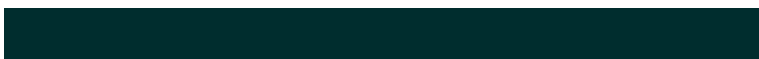
15.5505, 0.1751, 0.1503



14.7758, 0.2982, 0.3284



31.5705, 0.2227, 0.3218



2.0618, 0.2231, 0.3230

Inverse Universe

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



20.1272, 0.3268, 0.1574



28.1101, 0.3268, 0.1574



27.1853, 0.5374, 0.4115



13.2694, 0.3141, 0.3065



11.8108, 0.3267, 0.1573



0.7668, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 53.7682, 0.2227, 0.3217 looks on a white background.

Color Contrast Check

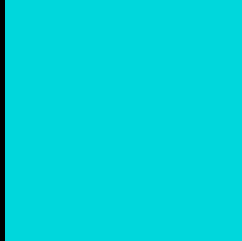
Large Text (above 18pt) WCAG AA × Fail

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 53.7682, 0.2227, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

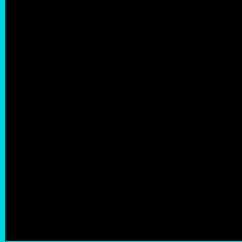
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.7682, 0.2227, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 53.7682, 0.2227, 0.3217.

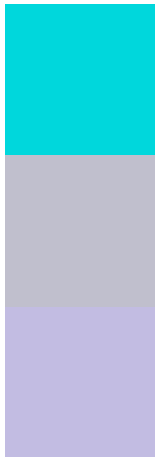


This preview shows how white text looks on a background with the Yxy color 53.7682, 0.2227, 0.3217.

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

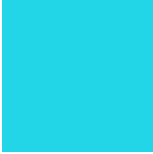
53.7682, 0.2227, 0.3217

Protanopia

52.8758, 0.3031, 0.3119

Deuteranopia

52.9268, 0.2898, 0.2842



Tritanopia

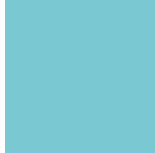
53.6981, 0.2203, 0.3043

Trichromacy



Original Color

53.7682, 0.2227, 0.3217



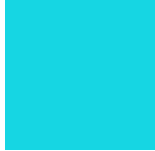
Protanomaly

50.0993, 0.2537, 0.3152



Deuteranomaly

49.9809, 0.2463, 0.2944



Tritanomaly

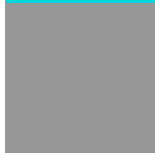
53.8098, 0.2209, 0.3109

Monochromacy



Original Color

53.7682, 0.2227, 0.3217



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.8935, 0.2522, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.7682, 0.2227, 0.3217 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(0, 215, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 220)  
}
```

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(0, 215, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 220) }
```

Border

The CSS property to change the border of an element to Yxy 53.7682, 0.2227, 0.3217 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(0, 215, 220) }
```

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

```
.border{ border-color:rgb(0, 215, 220) }
```

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

Here you see how a box with a 4 pixel rgb(0, 215, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 53.7682, 0.2227, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 220) }
```

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

```
.background{ background-color: rgb(0, 215,  
220) }
```

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