

Converting Colors

$Yxy(49.0307, 0.1890, 0.3178)$

Have a look what the booklet for
Yxy(49.0307, 0.1890, 0.3178)
contains.

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Color

Yxy(52.8090, 0.2215, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	00D5DD
RGB	0, 213, 221
RGB Percent	0%, 84%, 87%
CMY	1.0000, 0.1647, 0.1332
CMYK	1.00, 0.04, 0.00, 0.13
HSL	182°, 100%, 43%
HSV	182°, 100%, 87%
XYZ	36.8416, 52.8090, 76.6770
YIQ	150.2250, -129.5160, -42.6680

Conversions

Conversions Part 2

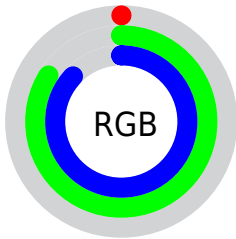
Format	Color
RYB	0, 108, 221
Decimal	54749
CIELab	77.76, -39.59, -16.28
CIELCh	78, 42.802, 202.352
Yxy	52.8090, 0.2215, 0.3175
Android (android.graphics.Color)	4278244829 (0xFF00D5DD)
YUV	150.2250, 34.8921, -131.7473
Hunter-Lab	72.6698, -36.6777, -11.6905

Details

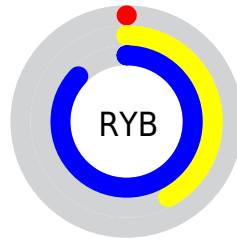
The Yxy color **52.8090, 0.2215, 0.3175** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.5507, 0.6380, 0.3316**, and the grayscale version is **30.4937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **27.2069, 0.2206, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **52.8153, 0.2215, 0.3175**, and if you desaturate by 10%, it is **53.3915, 0.2232, 0.3187**.

Distribution



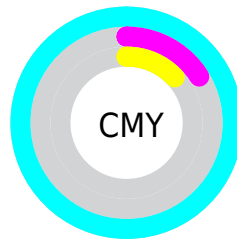
- Red (0%)
- Green (84%)
- Blue (87%)



- Red (0%)
- Yellow (42%)
- Blue (87%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)




- Cyan (100%)
- Magenta (16%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 52.8090, 0.2215, 0.3175 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 52.8090, 0.2215, 0.3175 by changing the saturation by 10% instead.


 52.8090, 0.2215,
0.3175

 52.8090, 0.2215,
0.3175


 397.5519, 0.2646,
0.3246

 37.6503, 0.2116,
0.3154


 94.3233, 0.2365,
0.3204


 25.7114, 0.1993,
0.3124


 121.4476, 0.2424,
0.3214


 16.6079, 0.1838,
0.3083


 153.3293, 0.2474,
0.3222

 9.9553, 0.1637,
0.3020

 190.3528, 0.2517,
0.3228

 5.3693, 0.1369,
0.2919

 232.9024, 0.2555,
0.3234

 2.4656, 0.1005,
0.2741

 281.3625, 0.2589,

 0.8593, 0.0000,

0.3239

0.2518

336.1175, 0.2619,
0.3243

■ 0.0000, 0.0000,
0.0000

■ 52.8090, 0.2215,
0.3175

■ 52.8090, 0.2215,
0.3175

■ 52.8153, 0.2215,
0.3175

■ 53.3915, 0.2232,
0.3187

■ 54.1662, 0.2262,
0.3199

■ 55.2036, 0.2311,
0.3211

■ 56.5399, 0.2379,
0.3223

■ 58.2056, 0.2466,
0.3236

■ 60.2274, 0.2572,
0.3247

■ 62.6294, 0.2693,
0.3259

■ 65.4333, 0.2828,
0.3270

■ 68.6594, 0.2974,
0.3280

Harmonies

Analogous

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



52.8090, 0.2563, 0.3760



52.8090, 0.2215, 0.3175



52.8090, 0.2099, 0.2699

Triad

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



52.8090, 0.2215, 0.3175



52.8090, 0.3089, 0.2553



52.8090, 0.4082, 0.4118

Complementary

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



52.8090, 0.2215, 0.3175



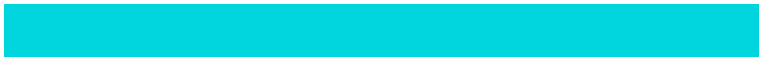
15.5507, 0.6380, 0.3316

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.



52.8090, 0.4273, 0.3725



52.8090, 0.2215, 0.3175



52.8090, 0.3674, 0.2865

Square

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



52.8090, 0.2215, 0.3175



52.8090, 0.2566, 0.2398



52.8090, 0.4125, 0.3279



52.8090, 0.3639, 0.4331

Rectangle

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



52.8090, 0.2215, 0.3175



52.8090, 0.2154, 0.2500



52.8090, 0.4125, 0.3279



52.8090, 0.4180, 0.4000

Sweetspot

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



52.8153, 0.2215, 0.3175



86.5061, 0.2690, 0.3259



51.7442, 0.2995, 0.5983



18.2008, 0.2637, 0.3254



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.



52.8153, 0.2215, 0.3175



72.9786, 0.2215, 0.3174



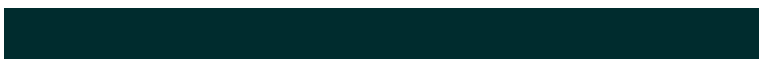
14.9517, 0.1736, 0.1448



14.7443, 0.2982, 0.3281



30.7100, 0.2216, 0.3177



2.0154, 0.2221, 0.3196

Inverse Universe

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



20.1812, 0.3303, 0.1593



27.8984, 0.3304, 0.1594



28.3057, 0.5325, 0.4154



13.2663, 0.3143, 0.3068



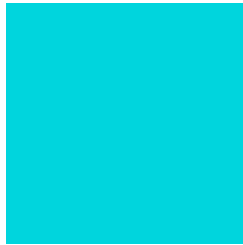
11.7240, 0.3301, 0.1592



0.7621, 0.3285, 0.1583

Previews

White Background



This preview shows how the Yxy color 52.8090, 0.2215, 0.3175 looks on a white background.

Color Contrast Check

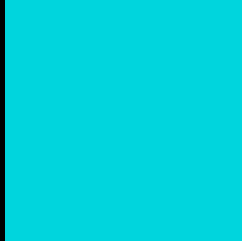
Large Text (above 18pt) WCAG AA × Fail

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 52.8090, 0.2215, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

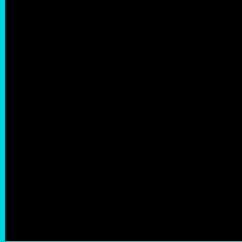
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.8090, 0.2215, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 52.8090, 0.2215, 0.3175.



This preview shows how white text looks on a background with the Yxy color 52.8090, 0.2215, 0.3175.

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

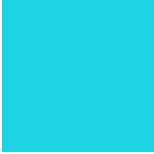
52.8090, 0.2215, 0.3175

Protanopia

51.7986, 0.3009, 0.3081

Deuteranopia

51.7402, 0.2867, 0.2804



Tritanopia

53.0053, 0.2201, 0.3054

Trichromacy



Original Color

52.8090, 0.2215, 0.3175



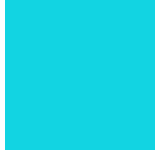
Protanomaly

49.1563, 0.2521, 0.3111



Deuteranomaly

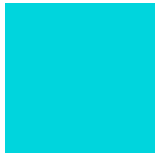
49.0537, 0.2448, 0.2904



Tritanomaly

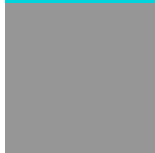
52.7066, 0.2202, 0.3094

Monochromacy



Original Color

52.8090, 0.2215, 0.3175



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.4546, 0.2513, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8090, 0.2215, 0.3175 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, 213, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 221)  
}
```

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, 213, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 221) }
```

Border

The CSS property to change the border of an element to Yxy 52.8090, 0.2215, 0.3175 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, 213, 221) }
```

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

```
.border{ border-color:rgb(0, 213, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 213, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 213, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 213, 221); box-shadow:4px 4px 4px 4px rgb(0, 213, 221) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8090, 0.2215, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 221) }
```

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

```
.background{ background-color: rgb(0, 213,  
221) }
```

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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