

Converting Colors

$Y_{xy}(52.2662, 0.2121, 0.3157)$

Have a look what the booklet for
Yxy(52.2662, 0.2121, 0.3157)
contains.

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Color

Yxy(53.4208, 0.2212, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	01D6DF
RGB	1, 214, 223
RGB Percent	0%, 84%, 87%
CMY	0.9977, 0.1608, 0.1255
CMYK	1.00, 0.04, 0.00, 0.13
HSL	182°, 99%, 44%
HSV	182°, 100%, 87%
XYZ	37.3709, 53.4208, 78.1545
YIQ	151.3390, -129.8370, -42.3570

Conversions

Conversions Part 2

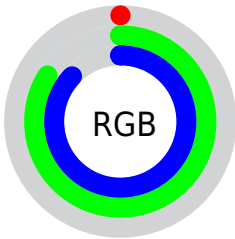
Format	Color
RYB	1, 110, 223
Decimal	120543
CIELab	78.12, -39.40, -16.79
CIELCh	78, 42.832, 203.081
Yxy	53.4208, 0.2212, 0.3162
Android (android.graphics.Color)	4278310623 (0xFF01D6DF)
YUV	151.3390, 35.3289, -131.8473
Hunter-Lab	73.0895, -36.6391, -12.2360

Details

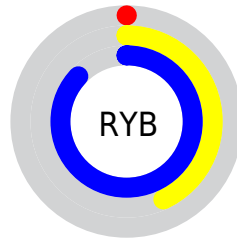
The Yxy color **53.4208, 0.2212, 0.3162** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.8980, 0.6374, 0.3318**, and the grayscale version is **30.9309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **27.6234, 0.2201, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **53.4069, 0.2212, 0.3162**, and if you desaturate by 10%, it is **54.0582, 0.2229, 0.3175**.

Distribution



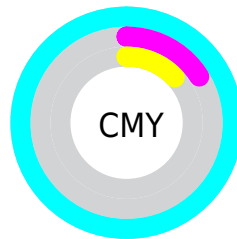
- Red (0%)
- Green (84%)
- Blue (87%)



- Red (0%)
- Yellow (43%)
- 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 53.4208, 0.2212, 0.3162 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 53.4208, 0.2212, 0.3162 by changing the saturation by 10% instead.

 53.4208, 0.2212,
0.3162


 53.4208, 0.2212,
0.3162


399.8975, 0.2643,
0.3240


 38.1388, 0.2113,
0.3139


 95.2233, 0.2362,
0.3193


 26.0904, 0.1990,
0.3108


 122.5126, 0.2421,
0.3204

 16.8913, 0.1836,
0.3064

 154.5730, 0.2471,
0.3213

 10.1570, 0.1636,
0.2999

 191.7891, 0.2514,
0.3220

 5.5032, 0.1371,
0.2895

 234.5452, 0.2552,
0.3226

 2.5454, 0.1012,
0.2713

283.2257, 0.2586,

 0.8993, 0.0000,

0.3231

0.2493

338.2150, 0.2616,
0.3236

■ 0.0000, 0.0000,
0.0000

■ 53.4208, 0.2212,
0.3162

■ 53.4208, 0.2212,
0.3162

■ 53.4069, 0.2212,
0.3162

■ 54.0582, 0.2229,
0.3175

■ 54.9004, 0.2260,
0.3189

■ 56.0124, 0.2310,
0.3202

■ 57.4308, 0.2379,
0.3216

■ 59.1869, 0.2467,
0.3230

■ 61.3078, 0.2574,
0.3243

■ 63.8180, 0.2696,
0.3256

■ 66.7398, 0.2832,
0.3268

■ 70.0939, 0.2978,
0.3280

Harmonies

Analogous

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



53.4208, 0.2554, 0.3745



53.4208, 0.2212, 0.3162



53.4208, 0.2102, 0.2692

Triad

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



53.4208, 0.2212, 0.3162



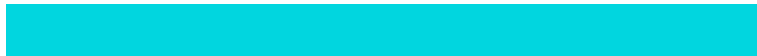
53.4208, 0.3104, 0.2561



53.4208, 0.4071, 0.4124

Complementary

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



53.4208, 0.2212, 0.3162



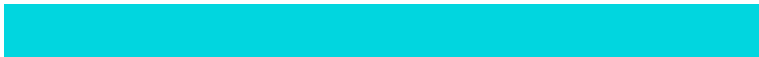
15.8980, 0.6374, 0.3318

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.



53.4208, 0.4268, 0.3734



53.4208, 0.2212, 0.3162



53.4208, 0.3686, 0.2875

Square

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



53.4208, 0.2212, 0.3162



53.4208, 0.2578, 0.2402



53.4208, 0.4129, 0.3290



53.4208, 0.3625, 0.4329

Rectangle

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



53.4208, 0.2212, 0.3162



53.4208, 0.2161, 0.2497



53.4208, 0.4129, 0.3290



53.4208, 0.4171, 0.4007

Sweetspot

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



53.4228, 0.2212, 0.3162



86.3036, 0.2690, 0.3255



52.7981, 0.2995, 0.5982



18.1515, 0.2636, 0.3250



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.



53.4228, 0.2212, 0.3162



72.3276, 0.2211, 0.3161



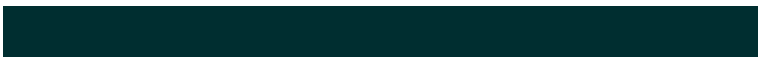
15.3093, 0.1737, 0.1452



15.4721, 0.2982, 0.3280



31.4434, 0.2212, 0.3164



2.2095, 0.2218, 0.3184

Inverse Universe

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



20.5560, 0.3314, 0.1600



27.8327, 0.3315, 0.1600



28.9332, 0.5321, 0.4155



13.9256, 0.3144, 0.3068



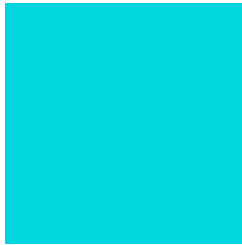
12.0823, 0.3313, 0.1599



0.8405, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 53.4208, 0.2212, 0.3162 looks on a white background.

Color Contrast Check

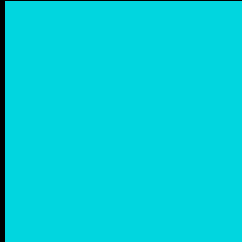
Large Text (above 18pt) WCAG AA × Fail

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 53.4208, 0.2212, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

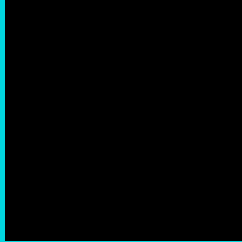
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.4208, 0.2212, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 53.4208, 0.2212, 0.3162.

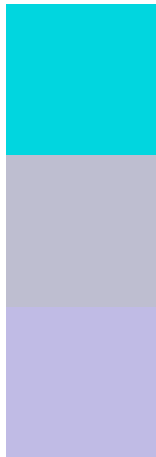


This preview shows how white text looks on a background with the Yxy color 53.4208, 0.2212, 0.3162.

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

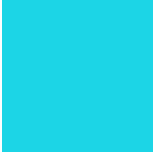
53.4273, 0.2212, 0.3162

Protanopia

52.3281, 0.2994, 0.3070

Deuteranopia

52.4043, 0.2862, 0.2795



Tritanopia

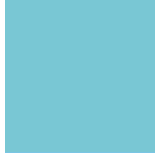
53.5485, 0.2200, 0.3055

Trichromacy



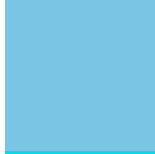
Original Color

53.4273, 0.2212, 0.3162



Protanomaly

49.7159, 0.2513, 0.3098



Deuteranomaly

49.6161, 0.2440, 0.2893



Tritanomaly

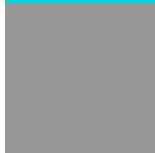
53.2631, 0.2202, 0.3094

Monochromacy



Original Color

53.4273, 0.2212, 0.3162



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.9332, 0.2516, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.4208, 0.2212, 0.3162 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, 214, 223)` looks like.

```
.text, #text, p{  
    color:rgb(1, 214, 223)  
}
```

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, 214, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 214, 223) }
```

Border

The CSS property to change the border of an element to Yxy 53.4208, 0.2212, 0.3162 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, 214, 223) }
```

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

```
.border{ border-color:rgb(1, 214, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 214, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 214, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 214, 223);  
box-shadow:4px 4px 4px 4px rgb(1, 214,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 53.4208, 0.2212, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 214, 223) }
```

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

```
.background{ background-color: rgb(1, 214,  
223) }
```

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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