

Converting Colors

$Y_{xy}(51.2350, 0.2043, 0.3043)$

Have a look what the booklet for
Yxy(51.2350, 0.2043, 0.3043)
contains.

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Color

Yxy(53.3017, 0.2182, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	01D5E6
RGB	1, 213, 230
RGB Percent	0%, 84%, 90%
CMY	0.9976, 0.1647, 0.0980
CMYK	1.00, 0.07, 0.00, 0.10
HSL	184°, 99%, 45%
HSV	184°, 100%, 90%
XYZ	38.0826, 53.3017, 83.1465
YIQ	151.5500, -131.8090, -39.6570

Conversions

Conversions Part 2

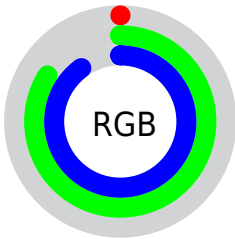
Format	Color
RYB	1, 111, 230
Decimal	120294
CIELab	78.05, -36.79, -20.65
CIELCh	78, 42.188, 209.300
Yxy	53.3017, 0.2182, 0.3054
Android (android.graphics.Color)	4278310374 (0xFF01D5E6)
YUV	151.5500, 38.6758, -132.0324
Hunter-Lab	73.0080, -34.6544, -16.4179

Details

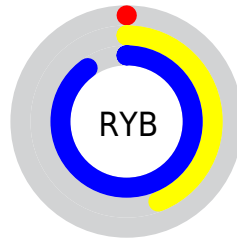
The Yxy color **53.3017, 0.2182, 0.3054** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.2453, 0.6353, 0.3335**, and the grayscale version is **31.0140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **27.5097, 0.2167, 0.3000** is the 20% darker color. If you saturate the color by 10%, you get **53.2772, 0.2182, 0.3053**, and if you desaturate by 10%, it is **54.3516, 0.2202, 0.3079**.

Distribution



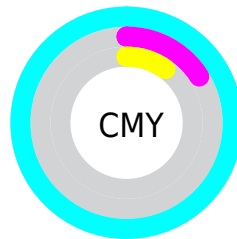
- Red (0%)
- Green (84%)
- Blue (90%)



- Red (0%)
- Yellow (44%)
- Blue (90%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (16%)
- Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3017, 0.2182, 0.3054 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 53.3017, 0.2182, 0.3054 by changing the saturation by 10% instead.


 53.3017, 0.2182,
0.3054

 53.3017, 0.2182,
0.3054

 399.4415, 0.2625,
0.3185


 38.0437, 0.2081,
0.3018


 95.0482, 0.2336,
0.3104

 26.0166, 0.1956,
0.2972

 122.3054, 0.2396,
0.3122


 16.8360, 0.1799,
0.2907

 154.3311, 0.2448,
0.3137

 10.1177, 0.1598,
0.2815

 191.5098, 0.2492,
0.3150

 5.4770, 0.1333,
0.2675

 234.2258, 0.2532,
0.3160

 2.5298, 0.0978,
0.2446

 282.8635, 0.2567,

 0.8915, 0.0000,

0.3170

0.2146

337.8073, 0.2598,
0.3178

■ 0.0000, 0.0000,
0.0000

■ 53.3017, 0.2182,
0.3054

■ 53.3017, 0.2182,
0.3054

■ 53.2772, 0.2182,
0.3053

■ 54.3516, 0.2202,
0.3079

■ 55.6287, 0.2237,
0.3104

■ 57.2017, 0.2291,
0.3129

■ 59.1105, 0.2365,
0.3155

■ 61.3888, 0.2457,
0.3180

■ 64.0658, 0.2567,
0.3205

■ 67.1681, 0.2692,
0.3228

■ 70.7197, 0.2830,
0.3251

■ 74.7429, 0.2977,
0.3271

Harmonies

Analogous

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



53.3017, 0.2475, 0.3620



53.3017, 0.2182, 0.3054



53.3017, 0.2122, 0.2630

Triad

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



53.3017, 0.2182, 0.3054



53.3017, 0.3224, 0.2623



53.3017, 0.3984, 0.4175

Complementary

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



53.3017, 0.2182, 0.3054



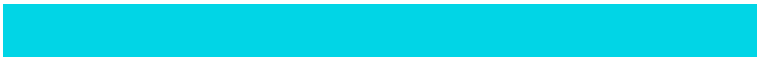
17.2453, 0.6353, 0.3335

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.



53.3017, 0.4238, 0.3817



53.3017, 0.2182, 0.3054



53.3017, 0.3786, 0.2960

Square

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



53.3017, 0.2182, 0.3054



53.3017, 0.2682, 0.2431



53.3017, 0.4171, 0.3382



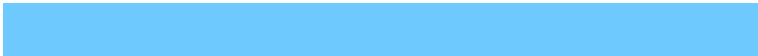
53.3017, 0.3509, 0.4318

Rectangle

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



53.3017, 0.2182, 0.3054



53.3017, 0.2212, 0.2468



53.3017, 0.4171, 0.3382



53.3017, 0.4099, 0.4072

Sweetspot

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



53.3036, 0.2182, 0.3054



84.6985, 0.2686, 0.3227



56.6373, 0.2991, 0.5965



17.7609, 0.2632, 0.3217



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.



53.3036, 0.2182, 0.3054



67.2644, 0.2181, 0.3052



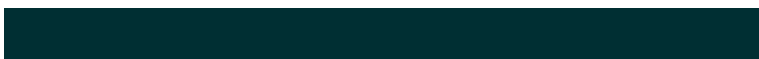
14.8338, 0.1707, 0.1343



16.1438, 0.2982, 0.3272



30.2404, 0.2183, 0.3057



2.2896, 0.2193, 0.3094

Inverse Universe

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



21.6408, 0.3407, 0.1651



27.3215, 0.3409, 0.1651



32.9498, 0.5226, 0.4231



14.5958, 0.3149, 0.3075



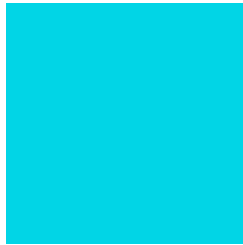
12.2505, 0.3404, 0.1649



0.9108, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 53.3017, 0.2182, 0.3054 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 53.3017, 0.2182, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

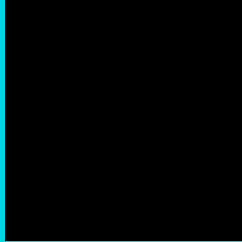
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.3017, 0.2182, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 53.3017, 0.2182, 0.3054.

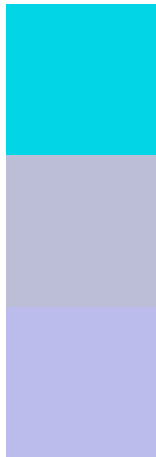


This preview shows how white text looks on a background with the Yxy color 53.3017, 0.2182, 0.3054.

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

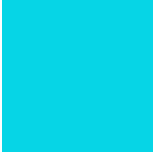
53.3081, 0.2182, 0.3054

Protanopia

52.4246, 0.2929, 0.2986

Deuteranopia

52.7139, 0.2787, 0.2727



Tritanopia

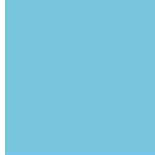
53.3404, 0.2185, 0.3054

Trichromacy



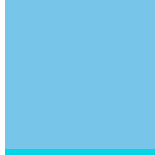
Original Color

53.3081, 0.2182, 0.3054



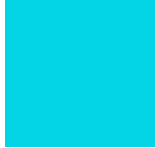
Protanomaly

49.5485, 0.2468, 0.2993



Deuteranomaly

49.8661, 0.2396, 0.2807



Tritanomaly

53.3275, 0.2184, 0.3054

Monochromacy



Original Color

53.3081, 0.2182, 0.3054



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

36.0542, 0.2498, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3017, 0.2182, 0.3054 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, 213, 230)` looks like.

```
.text, #text, p{  
    color:rgb(1, 213, 230)  
}
```

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, 213, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 213, 230) }
```

Border

The CSS property to change the border of an element to Yxy 53.3017, 0.2182, 0.3054 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, 213, 230) }
```

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

```
.border{ border-color:rgb(1, 213, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 213, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 213, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 213, 230);  
box-shadow:4px 4px 4px 4px rgb(1, 213,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3017, 0.2182, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 213, 230) }
```

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

```
.background{ background-color: rgb(1, 213,  
230) }
```

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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