

Converting Colors

$Yxy(51.5317, 0.2211, 0.3052)$

Have a look what the booklet for
Yxy(51.5317, 0.2211, 0.3052)
contains.

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Color

Yxy(51.4852, 0.2210, 0.3052)

Conversions

Conversions Part 1

Format	Color
Hex	25D1E2
RGB	37, 209, 226
RGB Percent	15%, 82%, 89%
CMY	0.8563, 0.1803, 0.1137
CMYK	0.84, 0.08, 0.00, 0.11
HSL	185°, 77%, 51%
HSV	185°, 84%, 89%
XYZ	37.2812, 51.4852, 79.9269
YIQ	159.5100, -107.9690, -31.1770

Conversions

Conversions Part 2

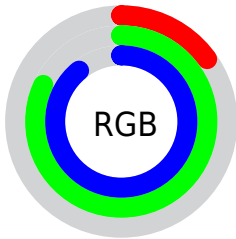
Format	Color
RYB	37, 127, 226
Decimal	2478562
CIELab	76.97, -34.74, -20.12
CIElCh	77, 40.142, 210.079
Yxy	51.4852, 0.2210, 0.3052
Android (android.graphics.Color)	4280668642 (0xFF25D1E2)
YUV	159.5100, 32.7796, -107.4413
Hunter-Lab	71.7532, -32.8238, -15.8167

Details

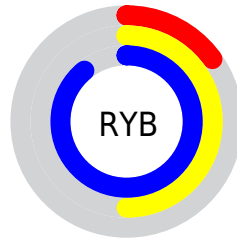
The Yxy color **51.4852, 0.2210, 0.3052** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.9049, 0.5942, 0.3404**, and the grayscale version is **34.7535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **26.0515, 0.2160, 0.2977** is the 20% darker color. If you saturate the color by 10%, you get **50.2053, 0.2180, 0.3021**, and if you desaturate by 10%, it is **53.0390, 0.2258, 0.3083**.

Distribution



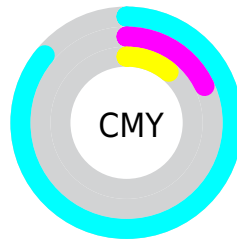
- Red (15%)
- Green (82%)
- Blue (89%)



- Red (15%)
- Yellow (50%)
- Blue (89%)



- Cyan (84%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)




- Cyan (86%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4852, 0.2210, 0.3052 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 51.4852, 0.2210, 0.3052 by changing the saturation by 10% instead.

 51.4852, 0.2210,
0.3052


 51.4852, 0.2210,
0.3052


392.4460, 0.2643,
0.3184

 36.5949, 0.2110,
0.3016


 92.3716, 0.2361,
0.3102


 24.8940, 0.1986,
0.2969


 119.1364, 0.2420,
0.3120


 15.9981, 0.1830,
0.2904


 150.6283, 0.2471,
0.3135

 9.5228, 0.1628,
0.2811


 187.2315, 0.2514,
0.3148

 5.0837, 0.1360,
0.2668

 229.3305, 0.2553,
0.3159

 2.2965, 0.0997,
0.2432

277.3096, 0.2586,

 0.7718, 0.0000,

0.3168

0.2102

331.5533, 0.2617,
0.3177

■ 0.0000, 0.0000,
0.0000

■ 51.4852, 0.2210,
0.3052

■ 51.4852, 0.2210,
0.3052

■ 50.2053, 0.2180,
0.3021

■ 53.0390, 0.2258,
0.3083

■ 49.5037, 0.2167,
0.3003

■ 54.9026, 0.2326,
0.3114

■ 57.1124, 0.2413,
0.3145

■ 59.6977, 0.2518,
0.3175

■ 62.6852, 0.2638,
0.3204

■ 66.0986, 0.2772,
0.3232

■ 69.9601, 0.2917,
0.3258

■ 74.2900, 0.3068,
0.3282

■ 79.1076, 0.3224,
0.3303

Harmonies

Analogous

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



51.4852, 0.2489, 0.3594



51.4852, 0.2210, 0.3052



51.4852, 0.2157, 0.2647

Triad

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



51.4852, 0.2210, 0.3052



51.4852, 0.3236, 0.2652



51.4852, 0.3944, 0.4152

Complementary

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



51.4852, 0.2210, 0.3052



18.9049, 0.5942, 0.3404

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.



51.4852, 0.4195, 0.3813



51.4852, 0.2210, 0.3052



51.4852, 0.3774, 0.2982

Square

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



51.4852, 0.2210, 0.3052



51.4852, 0.2710, 0.2462



51.4852, 0.4138, 0.3392



51.4852, 0.3484, 0.4278

Rectangle

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



51.4852, 0.2210, 0.3052



51.4852, 0.2249, 0.2493



51.4852, 0.4138, 0.3392



51.4852, 0.4057, 0.4055

Sweetspot

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



51.4871, 0.2210, 0.3052



86.2539, 0.2753, 0.3228



55.0339, 0.2976, 0.5731



18.1141, 0.2705, 0.3218



0.0000, 0.0000, 0.0000



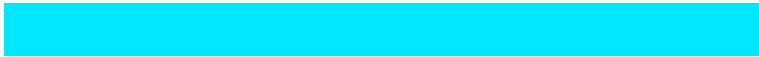
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.4871, 0.2210, 0.3052



65.0026, 0.2167, 0.3001



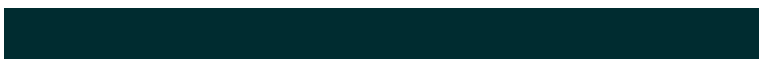
18.2636, 0.1824, 0.1612



15.3510, 0.2982, 0.3268



28.3315, 0.2169, 0.3008



2.0262, 0.2182, 0.3054

Inverse Universe

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



22.0747, 0.3403, 0.1726



27.0932, 0.3454, 0.1676



37.2005, 0.4899, 0.4324



13.9133, 0.3151, 0.3079



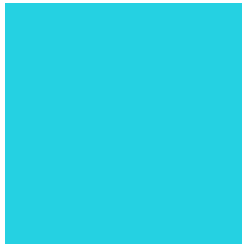
11.7681, 0.3448, 0.1673



0.8220, 0.3407, 0.1650

Previews

White Background



This preview shows how the Yxy color 51.4852, 0.2210, 0.3052 looks on a white background.

Color Contrast Check

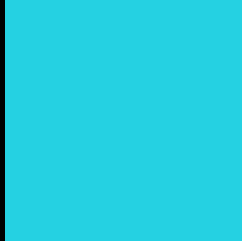
Large Text (above 18pt) WCAG AA × Fail

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 51.4852, 0.2210, 0.3052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

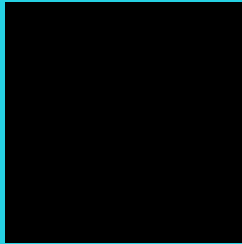
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4852, 0.2210, 0.3052

Background



This preview shows how black text looks on a background with the Yxy color 51.4852, 0.2210, 0.3052.

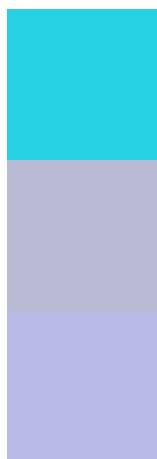


This preview shows how white text looks on a background with the Yxy color 51.4852, 0.2210, 0.3052.

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

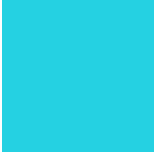
51.4852, 0.2210, 0.3052

Protanopia

50.6084, 0.2926, 0.2982

Deuteranopia

50.7817, 0.2795, 0.2741



Tritanopia

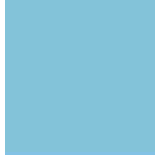
51.4852, 0.2210, 0.3052

Trichromacy



Original Color

51.4852, 0.2210, 0.3052



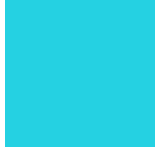
Protanomaly

48.8653, 0.2537, 0.2995



Deuteranomaly

49.0660, 0.2471, 0.2833



Tritanomaly

51.4852, 0.2210, 0.3052

Monochromacy



Original Color

51.4852, 0.2210, 0.3052



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

38.5080, 0.2602, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4852, 0.2210, 0.3052 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(37, 209, 226)` looks like.

```
.text, #text, p{  
  color:rgb(37, 209, 226)  
}
```

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(37, 209, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 209, 226) }
```

Border

The CSS property to change the border of an element to Yxy 51.4852, 0.2210, 0.3052 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(37, 209, 226) }
```

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

```
.border{ border-color:rgb(37, 209, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 209, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 209, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 209, 226);  
box-shadow:4px 4px 4px 4px rgb(37, 209,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4852, 0.2210, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 209, 226) }
```

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

```
.background{ background-color: rgb(37, 209,  
226) }
```

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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