

Converting Colors

$Y_{xy}(51.2000, 0.2200, 0.3056)$

Have a look what the booklet for
Yxy(51.2000, 0.2200, 0.3056)
contains.

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Color

Yxy(51.2702, 0.2202, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	1BD1E1
RGB	27, 209, 225
RGB Percent	11%, 82%, 88%
CMY	0.8953, 0.1803, 0.1177
CMYK	0.88, 0.07, 0.00, 0.12
HSL	185°, 79%, 49%
HSV	185°, 88%, 88%
XYZ	36.8343, 51.2702, 79.1719
YIQ	156.4060, -113.6080, -33.6080

Conversions

Conversions Part 2

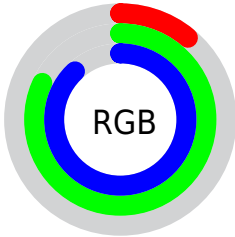
Format	Color
<code>RYB</code>	<code>27, 122, 225</code>
Decimal	<code>1823201</code>
CIELab	<code>76.84, -35.65, -19.77</code>
CIELCh	<code>77, 40.763, 209.017</code>
Yxy	<code>51.2702, 0.2202, 0.3065</code>
Android (<code>android.graphics.Color</code>)	<code>4280013281 (0xFF1BD1E1)</code>
YUV	<code>156.4060, 33.8168, -113.4891</code>
Hunter-Lab	<code>71.6032, -33.4813, -15.4349</code>

Details

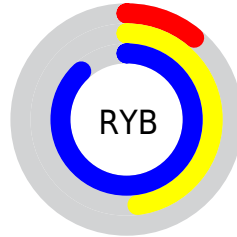
The Yxy color **51.2702, 0.2202, 0.3065** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.7857, 0.6097, 0.3379**, and the grayscale version is **33.2820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **26.0135, 0.2165, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **50.1863, 0.2179, 0.3038**, and if you desaturate by 10%, it is **52.5951, 0.2241, 0.3093**.

Distribution



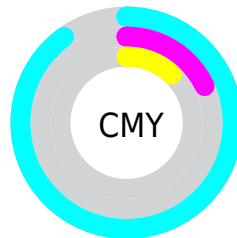
- Red (11%)
- Green (82%)
- Blue (88%)



- Red (11%)
- Yellow (48%)
- Blue (88%)



- Cyan (88%)
- Magenta (7%)
- Yellow (0%)
- Black (12%)





- Cyan (90%)
- Magenta (18%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2702, 0.2202, 0.3065 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 51.2702, 0.2202, 0.3065 by changing the saturation by 10% instead.


 51.2702, 0.2202,
0.3065


 51.2702, 0.2202,
0.3065


391.6127, 0.2640,
0.3191


 36.4237, 0.2101,
0.3030


 92.0540, 0.2355,
0.3113

 24.7616, 0.1976,
0.2985


 118.7602, 0.2414,
0.3131

 15.8995, 0.1819,
0.2922


 150.1883, 0.2465,
0.3145

 9.4531, 0.1614,
0.2830

 186.7228, 0.2509,
0.3157

 5.0379, 0.1344,
0.2690

 228.7481, 0.2548,
0.3167

 2.2695, 0.0978,
0.2456

276.6486, 0.2582,

 0.7575, 0.0000,

0.3176

0.2119

330.8086, 0.2612,
0.3184

0.0000, 0.0000,
0.0000

51.2702, 0.2202,
0.3065

51.2702, 0.2202,
0.3065

50.1863, 0.2179,
0.3038

52.5951, 0.2241,
0.3093

49.9948, 0.2176,
0.3033

54.2075, 0.2299,
0.3120

56.1458, 0.2376,
0.3148

58.4411, 0.2473,
0.3175

61.1207, 0.2586,
0.3202

■ 64.2092, 0.2713,
0.3227

■ 67.7293, 0.2853,
0.3251

■ 71.7016, 0.3002,
0.3273

■ 76.1458, 0.3156,
0.3294

Harmonies

Analogous

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



51.2702, 0.2492, 0.3619



51.2702, 0.2202, 0.3065



51.2702, 0.2141, 0.2647

Triad

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



51.2702, 0.2202, 0.3065



51.2702, 0.3218, 0.2633



51.2702, 0.3971, 0.4156

Complementary

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



51.2702, 0.2202, 0.3065



17.7857, 0.6097, 0.3379

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.



51.2702, 0.4216, 0.3805



51.2702, 0.2202, 0.3065



51.2702, 0.3768, 0.2963

Square

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



51.2702, 0.2202, 0.3065



51.2702, 0.2687, 0.2446



51.2702, 0.4147, 0.3377



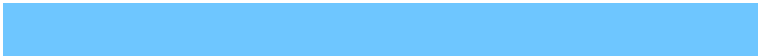
51.2702, 0.3507, 0.4296

Rectangle

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



51.2702, 0.2202, 0.3065



51.2702, 0.2228, 0.2486



51.2702, 0.4147, 0.3377



51.2702, 0.4083, 0.4055

Sweetspot

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



51.2721, 0.2202, 0.3065



86.1618, 0.2740, 0.3232



54.2200, 0.2984, 0.5832



18.1139, 0.2693, 0.3223



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.



51.2721, 0.2202, 0.3065



66.3332, 0.2175, 0.3031



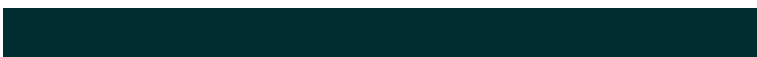
17.3909, 0.1795, 0.1569



15.3736, 0.2982, 0.3270



28.8972, 0.2177, 0.3037



2.0597, 0.2189, 0.3079

Inverse Universe

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



21.3787, 0.3394, 0.1690



27.2275, 0.3427, 0.1661



34.5646, 0.5022, 0.4288



13.9156, 0.3150, 0.3077



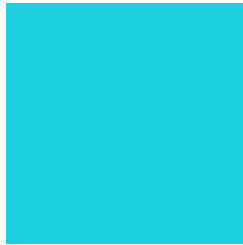
11.8252, 0.3422, 0.1659



0.8254, 0.3385, 0.1638

Previews

White Background



This preview shows how the Yxy color 51.2702, 0.2202, 0.3065 looks on a white background.

Color Contrast Check

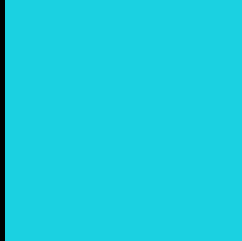
Large Text (above 18pt) WCAG AA × Fail

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 51.2702, 0.2202, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

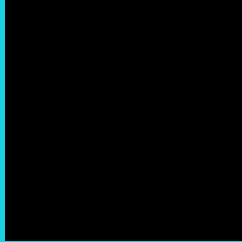
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2702, 0.2202, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 51.2702, 0.2202, 0.3065.

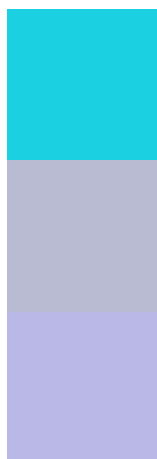


This preview shows how white text looks on a background with the Yxy color 51.2702, 0.2202, 0.3065.

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

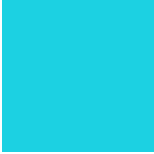
51.2702, 0.2202, 0.3065

Protanopia

50.5081, 0.2940, 0.3006

Deuteranopia

50.3648, 0.2795, 0.2729



Tritanopia

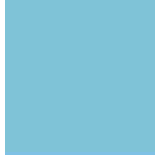
51.3388, 0.2199, 0.3051

Trichromacy



Original Color

51.2702, 0.2202, 0.3065



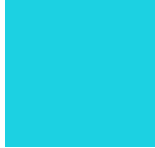
Protanomaly

48.4485, 0.2526, 0.3019



Deuteranomaly

48.3091, 0.2447, 0.2817



Tritanomaly

51.3388, 0.2199, 0.3051

Monochromacy



Original Color

51.2702, 0.2202, 0.3065



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

37.2474, 0.2572, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2702, 0.2202, 0.3065 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(27, 209, 225)` looks like.

```
.text, #text, p{  
    color:rgb(27, 209, 225)  
}
```

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(27, 209, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 209, 225) }
```

Border

The CSS property to change the border of an element to Yxy 51.2702, 0.2202, 0.3065 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(27, 209, 225) }
```

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

```
.border{ border-color:rgb(27, 209, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 209, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 209, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 209, 225);  
box-shadow:4px 4px 4px 4px rgb(27, 209,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2702, 0.2202, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 209, 225) }
```

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

```
.background{ background-color: rgb(27, 209,  
225) }
```

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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