

Converting Colors

$Y_{xy}(51.5078, 0.2219, 0.3133)$

Have a look what the booklet for
Yxy(51.5078, 0.2219, 0.3133)
contains.

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Color

Yxy(51.5203, 0.2219, 0.3133)

Conversions

Conversions Part 1

Format	Color
Hex	19D2DD
RGB	25, 210, 221
RGB Percent	10%, 82%, 87%
CMY	0.9039, 0.1764, 0.1333
CMYK	0.89, 0.05, 0.00, 0.13
HSL	183°, 80%, 48%
HSV	183°, 89%, 87%
XYZ	36.4901, 51.5203, 76.4336
YIQ	155.9390, -113.7910, -35.7990

Conversions

Conversions Part 2

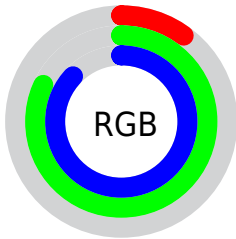
Format	Color
RYB	25, 120, 221
Decimal	1692381
CIELab	76.99, -37.43, -17.42
CIELCh	77, 41.287, 204.948
Yxy	51.5203, 0.2219, 0.3133
Android (android.graphics.Color)	4279882461 (0xFF19D2DD)
YUV	155.9390, 32.0751, -114.8335
Hunter-Lab	71.7776, -34.8655, -12.8915

Details

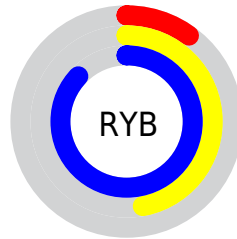
The Yxy color **51.5203, 0.2219, 0.3133** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.6737, 0.6149, 0.3350**, and the grayscale version is **33.0452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **26.1959, 0.2190, 0.3084** is the 20% darker color. If you saturate the color by 10%, you get **50.7289, 0.2200, 0.3115**, and if you desaturate by 10%, it is **52.5299, 0.2254, 0.3152**.

Distribution



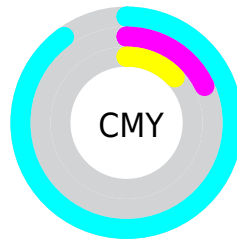
- Red (10%)
- Green (82%)
- Blue (87%)



- Red (10%)
- Yellow (47%)
- Blue (87%)



- Cyan (89%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)




- Cyan (90%)
- Magenta (18%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5203, 0.2219, 0.3133 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 51.5203, 0.2219, 0.3133 by changing the saturation by 10% instead.


 51.5203, 0.2219,
0.3133


 51.5203, 0.2219,
0.3133


392.5819, 0.2649,
0.3225


 36.6229, 0.2119,
0.3107


 92.4234, 0.2370,
0.3169


 24.9156, 0.1996,
0.3071


 119.1978, 0.2428,
0.3182


 16.0142, 0.1840,
0.3021


 150.7001, 0.2478,
0.3192

 9.5342, 0.1637,
0.2947

 187.3145, 0.2521,
0.3201

 5.0912, 0.1367,
0.2830

 229.4255, 0.2559,
0.3209

 2.3009, 0.0999,
0.2627

277.4175, 0.2593,

 0.7742, 0.0000,

0.3215

0.2344

331.6748, 0.2623,
0.3220

■ 0.0000, 0.0000,
0.0000

■ 51.5203, 0.2219,
0.3133

■ 51.5203, 0.2219,
0.3133

■ 50.7289, 0.2200,
0.3115

■ 52.5299, 0.2254,
0.3152

■ 50.6473, 0.2198,
0.3113

■ 53.8072, 0.2307,
0.3171

■ 55.3897, 0.2380,
0.3190

■ 57.3073, 0.2472,
0.3209

■ 59.5864, 0.2581,
0.3227

■ 62.2509, 0.2706,
0.3245

■ 65.3223, 0.2843,
0.3262

■ 68.8207, 0.2990,
0.3277

■ 72.7648, 0.3144,
0.3292

Harmonies

Analogous

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



51.5203, 0.2541, 0.3699



51.5203, 0.2219, 0.3133



51.5203, 0.2125, 0.2685

Triad

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



51.5203, 0.2219, 0.3133



51.5203, 0.3140, 0.2592



51.5203, 0.4029, 0.4125

Complementary

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



51.5203, 0.2219, 0.3133



16.6737, 0.6149, 0.3350

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.



51.5203, 0.4238, 0.3753



51.5203, 0.2219, 0.3133



51.5203, 0.3705, 0.2908

Square

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



51.5203, 0.2219, 0.3133



51.5203, 0.2619, 0.2425



51.5203, 0.4123, 0.3318



51.5203, 0.3582, 0.4306

Rectangle

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



51.5203, 0.2219, 0.3133



51.5203, 0.2193, 0.2502



51.5203, 0.4123, 0.3318



51.5203, 0.4131, 0.4015

Sweetspot

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



51.5222, 0.2219, 0.3133



86.7646, 0.2728, 0.3248



52.0359, 0.2990, 0.5862



18.2795, 0.2683, 0.3242



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.



51.5222, 0.2219, 0.3133



69.9723, 0.2198, 0.3111



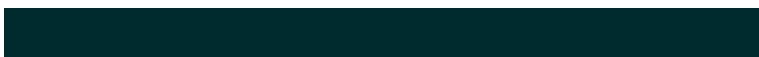
17.2172, 0.1803, 0.1605



14.6982, 0.2982, 0.3276



29.4756, 0.2199, 0.3115



1.9485, 0.2207, 0.3146

Inverse Universe

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



20.7021, 0.3336, 0.1653



27.5949, 0.3357, 0.1623



32.1034, 0.5076, 0.4252



13.2616, 0.3146, 0.3072



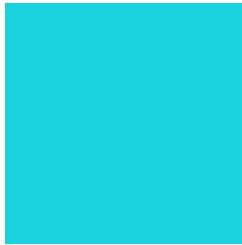
11.5993, 0.3354, 0.1621



0.7554, 0.3328, 0.1607

Previews

White Background



This preview shows how the Yxy color 51.5203, 0.2219, 0.3133 looks on a white background.

Color Contrast Check

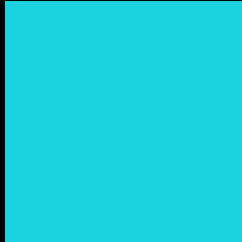
Large Text (above 18pt) WCAG AA × Fail

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 51.5203, 0.2219, 0.3133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

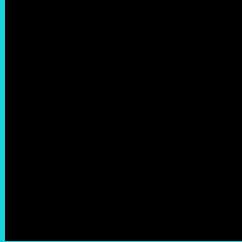
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.5203, 0.2219, 0.3133

Background



This preview shows how black text looks on a background with the Yxy color 51.5203, 0.2219, 0.3133.

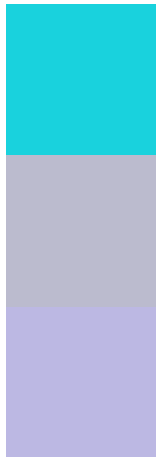


This preview shows how white text looks on a background with the Yxy color 51.5203, 0.2219, 0.3133.

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

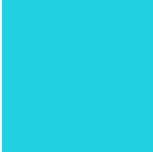
51.5203, 0.2219, 0.3133

Protanopia

50.5617, 0.2985, 0.3055

Deuteranopia

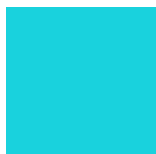
50.5184, 0.2844, 0.2776



Tritanopia

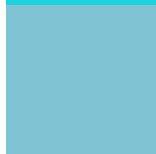
51.4152, 0.2205, 0.3052

Trichromacy



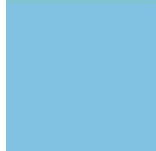
Original Color

51.5203, 0.2219, 0.3133



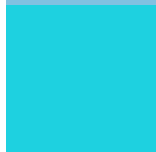
Protanomaly

48.3226, 0.2553, 0.3071



Deuteranomaly

48.2433, 0.2478, 0.2866



Tritanomaly

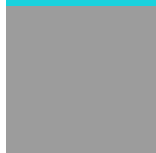
51.2588, 0.2209, 0.3078

Monochromacy



Original Color

51.5203, 0.2219, 0.3133



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

37.5341, 0.2574, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5203, 0.2219, 0.3133 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(25, 210, 221)` looks like.

```
.text, #text, p{  
    color:rgb(25, 210, 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(25, 210, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 210, 221) }
```

Border

The CSS property to change the border of an element to Yxy 51.5203, 0.2219, 0.3133 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(25, 210, 221) }
```

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

```
.border{ border-color:rgb(25, 210, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 210, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 210, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 210, 221);  
box-shadow:4px 4px 4px 4px rgb(25, 210,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5203, 0.2219, 0.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 210, 221) }
```

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

```
.background{ background-color: rgb(25, 210,  
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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