

Converting Colors

$Y_{xy}(51.1448, 0.2222, 0.3119)$

Have a look what the booklet for
Yxy(51.1448, 0.2222, 0.3119)
contains.

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Color

Yxy(51.1127, 0.2222, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	1FD1DD
RGB	31, 209, 221
RGB Percent	12%, 82%, 87%
CMY	0.8789, 0.1804, 0.1333
CMYK	0.86, 0.05, 0.00, 0.13
HSL	184°, 75%, 49%
HSV	184°, 86%, 87%
XYZ	36.4131, 51.1127, 76.3495
YIQ	157.1460, -109.9400, -34.0040

Conversions

Conversions Part 2

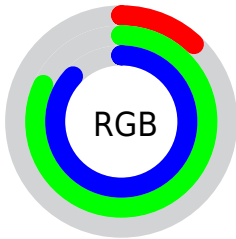
Format	Color
RYB	31, 123, 221
Decimal	2085341
CIELab	76.75, -36.63, -17.77
CIELCh	77, 40.715, 205.883
Yxy	51.1127, 0.2222, 0.3119
Android (android.graphics.Color)	4280275421 (0xFF1FD1DD)
YUV	157.1460, 31.4800, -110.6300
Hunter-Lab	71.4931, -34.1989, -13.2722

Details

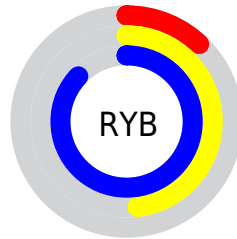
The Yxy color **51.1127, 0.2222, 0.3119** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.1886, 0.6053, 0.3365**, and the grayscale version is **33.6644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **25.8644, 0.2185, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **50.2008, 0.2198, 0.3098**, and if you desaturate by 10%, it is **52.2684, 0.2263, 0.3140**.

Distribution



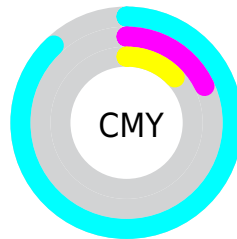
- Red (12%)
- Green (82%)
- Blue (87%)



- Red (12%)
- Yellow (48%)
- Blue (87%)



- Cyan (86%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)





- Cyan (88%)
- Magenta (18%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1127, 0.2222, 0.3119 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 51.1127, 0.2222, 0.3119 by changing the saturation by 10% instead.

 51.1127, 0.2222,
0.3119


 51.1127, 0.2222,
0.3119

391.0015, 0.2651,
0.3218


 36.2983, 0.2122,
0.3091

 91.8213, 0.2372,
0.3158


 24.6647, 0.1999,
0.3053


 118.4844, 0.2431,
0.3171


 15.8274, 0.1843,
0.3001


 149.8658, 0.2480,
0.3183

 9.4021, 0.1640,
0.2923

 186.3499, 0.2524,
0.3192

 5.0044, 0.1369,
0.2801

 228.3211, 0.2562,
0.3200

 2.2498, 0.1000,
0.2590

276.1638, 0.2595,

 0.7470, 0.0000,

0.3207

0.2287

330.2625, 0.2625,
0.3213

■ 0.0000, 0.0000,
0.0000

■ 51.1127, 0.2222,
0.3119

■ 51.1127, 0.2222,
0.3119

■ 50.2008, 0.2198,
0.3098

■ 52.2684, 0.2263,
0.3140

■ 49.8750, 0.2192,
0.3090

■ 53.7041, 0.2323,
0.3162

■ 55.4553, 0.2402,
0.3183

■ 57.5508, 0.2500,
0.3205

■ 60.0161, 0.2614,
0.3225

■ 62.8744, 0.2744,
0.3245

■ 66.1468, 0.2884,
0.3263

■ 69.8530, 0.3034,
0.3280

■ 74.0113, 0.3189,
0.3296

Harmonies

Analogous

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



51.1127, 0.2534, 0.3677



51.1127, 0.2222, 0.3119



51.1127, 0.2136, 0.2681

Triad

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



51.1127, 0.2222, 0.3119



51.1127, 0.3158, 0.2606



51.1127, 0.4008, 0.4126

Complementary

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



51.1127, 0.2222, 0.3119



17.1886, 0.6053, 0.3365

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.



51.1127, 0.4224, 0.3762



51.1127, 0.2222, 0.3119



51.1127, 0.3715, 0.2924

Square

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



51.1127, 0.2222, 0.3119



51.1127, 0.2638, 0.2436



51.1127, 0.4120, 0.3332



51.1127, 0.3562, 0.4295

Rectangle

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



51.1127, 0.2222, 0.3119



51.1127, 0.2208, 0.2505



51.1127, 0.4120, 0.3332



51.1127, 0.4112, 0.4019

Sweetspot

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



51.1146, 0.2222, 0.3119



86.8819, 0.2741, 0.3244



52.1563, 0.2990, 0.5817



18.2880, 0.2695, 0.3238



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.



51.1146, 0.2222, 0.3119



68.9060, 0.2191, 0.3088



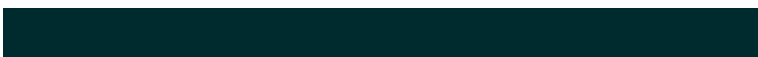
18.1013, 0.1829, 0.1663



14.6816, 0.2982, 0.3275



29.0376, 0.2193, 0.3093



1.9246, 0.2202, 0.3127

Inverse Universe

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



20.9494, 0.3347, 0.1677



27.4873, 0.3377, 0.1634



32.9228, 0.5017, 0.4258



13.2599, 0.3147, 0.3074



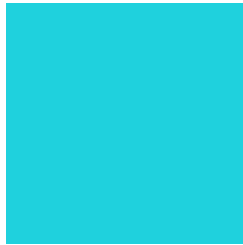
11.5551, 0.3373, 0.1632



0.7530, 0.3344, 0.1616

Previews

White Background



This preview shows how the Yxy color 51.1127, 0.2222, 0.3119 looks on a white background.

Color Contrast Check

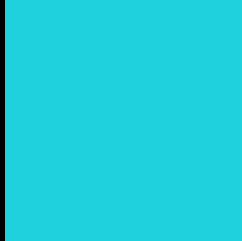
Large Text (above 18pt) WCAG AA × Fail

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 51.1127, 0.2222, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

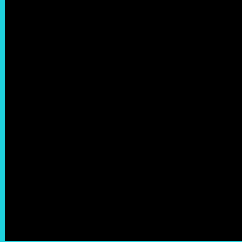
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.1127, 0.2222, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 51.1127, 0.2222, 0.3119.

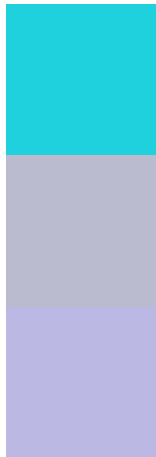


This preview shows how white text looks on a background with the Yxy color 51.1127, 0.2222, 0.3119.

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

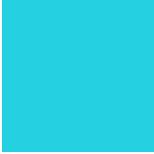
51.1127, 0.2222, 0.3119

Protanopia

50.4360, 0.2977, 0.3054

Deuteranopia

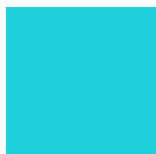
50.3918, 0.2836, 0.2775



Tritanopia

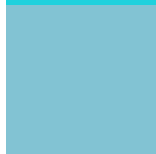
50.9413, 0.2211, 0.3051

Trichromacy



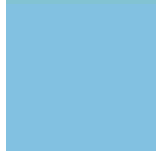
Original Color

51.1127, 0.2222, 0.3119



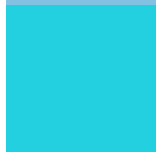
Protanomaly

48.4792, 0.2565, 0.3072



Deuteranomaly

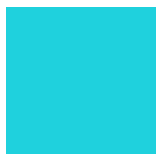
48.3220, 0.2484, 0.2867



Tritanomaly

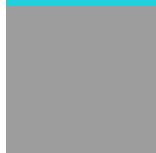
50.8509, 0.2212, 0.3064

Monochromacy



Original Color

51.1127, 0.2222, 0.3119



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.7255, 0.2593, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1127, 0.2222, 0.3119 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(31, 209, 221)` looks like.

```
.text, #text, p{  
    color:rgb(31, 209, 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(31, 209, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 209, 221) }
```

Border

The CSS property to change the border of an element to Yxy 51.1127, 0.2222, 0.3119 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(31, 209, 221) }
```

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

```
.border{ border-color:rgb(31, 209, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 209, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 209, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 209, 221);  
box-shadow:4px 4px 4px 4px rgb(31, 209,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1127, 0.2222, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 209, 221) }
```

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

```
.background{ background-color: rgb(31, 209,  
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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