

Converting Colors

$Y_{xy}(51.8125, 0.2206, 0.3048)$

Have a look what the booklet for
Yxy(51.8125, 0.2206, 0.3048)
contains.

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Color

Yxy(51.9966, 0.2208, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	23D2E3
RGB	35, 210, 227
RGB Percent	14%, 82%, 89%
CMY	0.8622, 0.1765, 0.1099
CMYK	0.85, 0.07, 0.00, 0.11
HSL	185°, 77%, 51%
HSV	185°, 85%, 89%
XYZ	37.6051, 51.9966, 80.7114
YIQ	159.6130, -109.7570, -31.8130

Conversions

Conversions Part 2

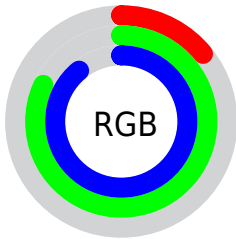
Format	Color
R _{YB}	35, 127, 227
Decimal	2347747
CIE Lab	77.28, -35.00, -20.18
CIE LCh	77, 40.402, 209.964
Yxy	51.9966, 0.2208, 0.3053
Android (android.graphics.Color)	4280537827 (0xFF23D2E3)
YUV	159.6130, 33.2218, -109.2856
Hunter-Lab	72.1087, -33.1013, -15.8874

Details

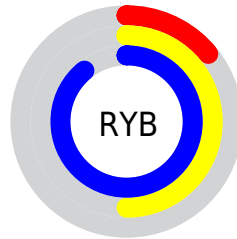
The Yxy color **51.9966, 0.2208, 0.3053** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.9151, 0.5970, 0.3400**, and the grayscale version is **34.8666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **26.4212, 0.2161, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **50.7346, 0.2179, 0.3023**, and if you desaturate by 10%, it is **53.5314, 0.2255, 0.3084**.

Distribution



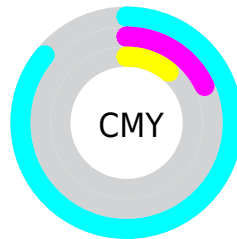
- Red (14%)
- Green (82%)
- Blue (89%)



- Red (14%)
- Yellow (50%)
- Blue (89%)



- Cyan (85%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9966, 0.2208, 0.3053 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 51.9966, 0.2208, 0.3053 by changing the saturation by 10% instead.

 51.9966, 0.2208,
0.3053


 51.9966, 0.2208,
0.3053


394.4235, 0.2642,
0.3184

 37.0024, 0.2108,
0.3017


 93.1262, 0.2359,
0.3103

 25.2093, 0.1985,
0.2970


 120.0304, 0.2418,
0.3121


 16.2331, 0.1829,
0.2906


 151.6734, 0.2468,
0.3136

 9.6892, 0.1628,
0.2814

 188.4395, 0.2512,
0.3149

 5.1934, 0.1362,
0.2672

 230.7131, 0.2551,
0.3160

 2.3612, 0.1002,
0.2439

278.8788, 0.2584,

 0.8058, 0.0000,

0.3169

0.2125

333.3208, 0.2615,
0.3177

■ 0.0000, 0.0000,
0.0000

■ 51.9966, 0.2208,
0.3053

■ 51.9966, 0.2208,
0.3053

■ 50.7346, 0.2179,
0.3023

■ 53.5314, 0.2255,
0.3084

■ 50.1187, 0.2169,
0.3007

■ 55.3760, 0.2321,
0.3114

■ 57.5675, 0.2406,
0.3145

■ 60.1360, 0.2509,
0.3175

■ 63.1085, 0.2629,
0.3203

■ 66.5093, 0.2762,
0.3231

■ 70.3608, 0.2906,
0.3256

■ 74.6837, 0.3057,
0.3280

■ 79.4975, 0.3213,
0.3302

Harmonies

Analogous

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



51.9966, 0.2488, 0.3597



51.9966, 0.2208, 0.3053



51.9966, 0.2154, 0.2646

Triad

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



51.9966, 0.2208, 0.3053



51.9966, 0.3234, 0.2650



51.9966, 0.3948, 0.4153

Complementary

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



51.9966, 0.2208, 0.3053



18.9151, 0.5970, 0.3400

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.



51.9966, 0.4198, 0.3812



51.9966, 0.2208, 0.3053



51.9966, 0.3774, 0.2980

Square

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



51.9966, 0.2208, 0.3053



51.9966, 0.2707, 0.2459



51.9966, 0.4140, 0.3391



51.9966, 0.3487, 0.4281

Rectangle

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



51.9966, 0.2208, 0.3053



51.9966, 0.2245, 0.2491



51.9966, 0.4140, 0.3391



51.9966, 0.4061, 0.4056

Sweetspot

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



51.9985, 0.2208, 0.3053



86.3020, 0.2753, 0.3229



55.5264, 0.2976, 0.5746



18.1258, 0.2705, 0.3219



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.



51.9985, 0.2208, 0.3053



65.1779, 0.2168, 0.3005



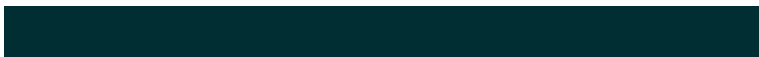
18.1811, 0.1816, 0.1595



16.1067, 0.2982, 0.3269



29.3238, 0.2170, 0.3011



2.2313, 0.2182, 0.3055

Inverse Universe

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



22.1904, 0.3403, 0.1720



27.1109, 0.3450, 0.1674



37.3300, 0.4914, 0.4325



14.5921, 0.3151, 0.3079



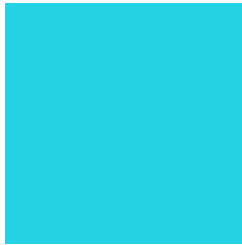
12.1580, 0.3444, 0.1671



0.9049, 0.3406, 0.1650

Previews

White Background



This preview shows how the Yxy color 51.9966, 0.2208, 0.3053 looks on a white background.

Color Contrast Check

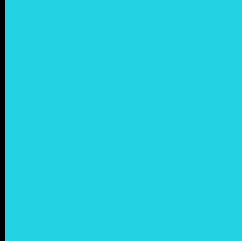
Large Text (above 18pt) WCAG AA × Fail

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 51.9966, 0.2208, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

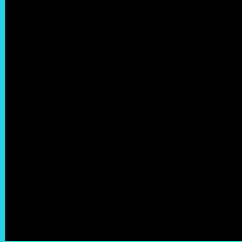
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

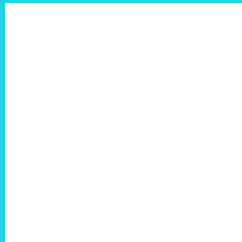
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9966, 0.2208, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 51.9966, 0.2208, 0.3053.

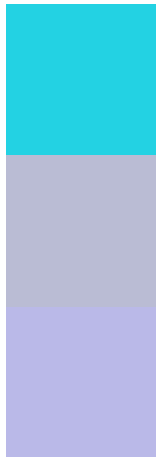


This preview shows how white text looks on a background with the Yxy color 51.9966, 0.2208, 0.3053.

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

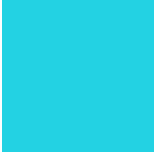
51.9966, 0.2208, 0.3053

Protanopia

51.1590, 0.2934, 0.2995

Deuteranopia

50.9632, 0.2796, 0.2732



Tritanopia

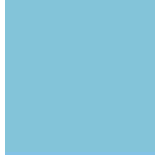
51.9966, 0.2208, 0.3053

Trichromacy



Original Color

51.9966, 0.2208, 0.3053



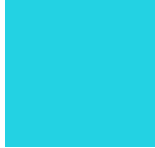
Protanomaly

49.3149, 0.2539, 0.3009



Deuteranomaly

49.1220, 0.2466, 0.2821



Tritanomaly

51.9966, 0.2208, 0.3053

Monochromacy



Original Color

51.9966, 0.2208, 0.3053



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.9463, 0.2598, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9966, 0.2208, 0.3053 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(35, 210, 227)` looks like.

```
.text, #text, p{  
    color:rgb(35, 210, 227)  
}
```

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(35, 210, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 210, 227) }
```

Border

The CSS property to change the border of an element to Yxy 51.9966, 0.2208, 0.3053 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(35, 210, 227) }
```

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

```
.border{ border-color:rgb(35, 210, 227) }
```

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

Here you see how a box with a 4 pixel rgb(35, 210, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 210, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 210, 227);  
box-shadow:4px 4px 4px 4px rgb(35, 210,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9966, 0.2208, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 210, 227) }
```

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

```
.background{ background-color: rgb(35, 210,  
227) }
```

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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