

Converting Colors

$Y_{xy}(51.2776, 0.2197, 0.3001)$

Have a look what the booklet for
Yxy(51.2776, 0.2197, 0.3001)
contains.

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Color

Yxy(51.1810, 0.2197, 0.2998)

Conversions

Conversions Part 1

Format	Color
Hex	26D0E5
RGB	38, 208, 229
RGB Percent	15%, 82%, 90%
CMY	0.8497, 0.1843, 0.1020
CMYK	0.83, 0.09, 0.00, 0.10
HSL	187°, 79%, 52%
HSV	187°, 83%, 90%
XYZ	37.5066, 51.1810, 82.0296
YIQ	159.5640, -108.0610, -29.5090

Conversions

Conversions Part 2

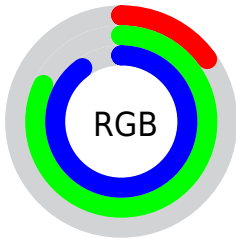
Format	Color
RYB	38, 128, 229
Decimal	2543845
CIELab	76.79, -33.21, -22.00
CIELCh	77, 39.838, 213.528
Yxy	51.1810, 0.2197, 0.2998
Android (android.graphics.Color)	4280733925 (0xFF26D0E5)
YUV	159.5640, 34.2319, -106.6116
Hunter-Lab	71.5409, -31.6148, -17.9039

Details

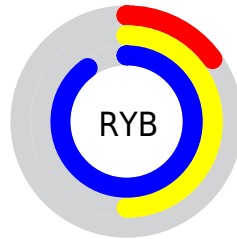
The Yxy color **51.1810, 0.2197, 0.2998** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **19.9635, 0.5893, 0.3435**, and the grayscale version is **34.8656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **25.8385, 0.2141, 0.2907** is the 20% darker color. If you saturate the color by 10%, you get **49.6490, 0.2164, 0.2960**, and if you desaturate by 10%, it is **53.0042, 0.2249, 0.3037**.

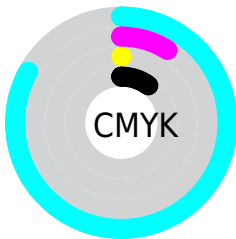
Distribution



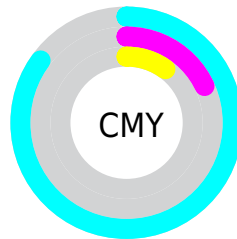
- Red (15%)
- Green (82%)
- Blue (90%)



- Red (15%)
- Yellow (50%)
- Blue (90%)



- Cyan (83%)
- Magenta (9%)
- Yellow (0%)
- Black (10%)





- Cyan (85%)
- Magenta (18%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1810, 0.2197, 0.2998 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 51.1810, 0.2197, 0.2998 by changing the saturation by 10% instead.

 51.1810, 0.2197,
0.2998

 51.1810, 0.2197,
0.2998

391.2666, 0.2636,
0.3156

 36.3527, 0.2096,
0.2956


 91.9223, 0.2350,
0.3058


 24.7067, 0.1971,
0.2901


 118.6040, 0.2410,
0.3079


 15.8587, 0.1814,
0.2826


 150.0057, 0.2461,
0.3098

 9.4242, 0.1610,
0.2720

 186.5116, 0.2505,
0.3113

 5.0189, 0.1341,
0.2560

 228.5063, 0.2544,
0.3126

 2.2584, 0.0979,
0.2302

276.3741, 0.2578,

 0.7515, 0.0000,

0.3137

0.1934

330.4994, 0.2609,
0.3147

■ 0.0000, 0.0000,
0.0000

■ 51.1810, 0.2197,
0.2998

■ 51.1810, 0.2197,
0.2998

■ 49.6490, 0.2164,
0.2960

■ 53.0042, 0.2249,
0.3037

■ 48.7320, 0.2149,
0.2934

■ 55.1555, 0.2320,
0.3075

■ 57.6720, 0.2411,
0.3113

■ 60.5842, 0.2519,
0.3151

■ 63.9191, 0.2642,
0.3187

67.7015, 0.2778,
0.3220

71.9540, 0.2924,
0.3252

76.6977, 0.3077,
0.3281

81.9524, 0.3233,
0.3308

Harmonies

Analogous

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



51.1810, 0.2450, 0.3529



51.1810, 0.2197, 0.2998



51.1810, 0.2171, 0.2617

Triad

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



51.1810, 0.2197, 0.2998



51.1810, 0.3300, 0.2687



51.1810, 0.3896, 0.4175

Complementary

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



51.1810, 0.2197, 0.2998



19.9635, 0.5893, 0.3435

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.



51.1810, 0.4175, 0.3855



51.1810, 0.2197, 0.2998



51.1810, 0.3824, 0.3028

Square

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



51.1810, 0.2197, 0.2998



51.1810, 0.2767, 0.2479



51.1810, 0.4155, 0.3441



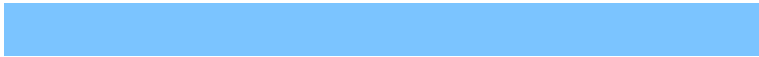
51.1810, 0.3422, 0.4266

Rectangle

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



51.1810, 0.2197, 0.2998



51.1810, 0.2279, 0.2480



51.1810, 0.4155, 0.3441



51.1810, 0.4017, 0.4087

Sweetspot

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



51.1829, 0.2197, 0.2998



85.4486, 0.2752, 0.3214



56.7563, 0.2968, 0.5695



17.9184, 0.2703, 0.3202



0.0000, 0.0000, 0.0000



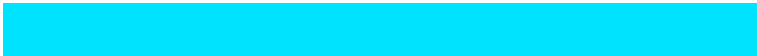
21.4041, 0.3127, 0.3290

Same Dimension

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



51.1829, 0.2197, 0.2998



62.1047, 0.2148, 0.2932



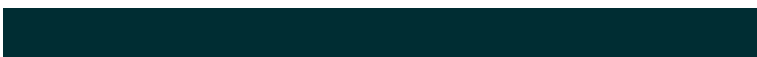
18.2463, 0.1816, 0.1575



16.0508, 0.2982, 0.3263



27.9729, 0.2150, 0.2940



2.1450, 0.2166, 0.2996

Inverse Universe

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



22.6193, 0.3450, 0.1757



26.8007, 0.3514, 0.1710



39.4955, 0.4854, 0.4356



14.5864, 0.3155, 0.3083



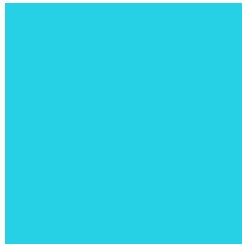
12.0216, 0.3507, 0.1706



0.8962, 0.3458, 0.1679

Previews

White Background



This preview shows how the Yxy color 51.1810, 0.2197, 0.2998 looks on a white background.

Color Contrast Check

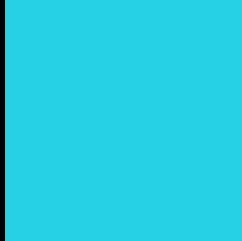
Large Text (above 18pt) WCAG AA × Fail

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 51.1810, 0.2197, 0.2998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

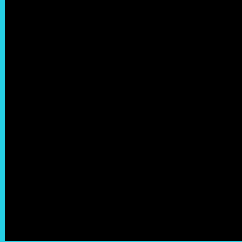
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.1810, 0.2197, 0.2998

Background



This preview shows how black text looks on a background with the Yxy color 51.1810, 0.2197, 0.2998.



This preview shows how white text looks on a background with the Yxy color 51.1810, 0.2197, 0.2998.

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

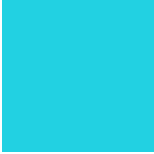
51.1810, 0.2197, 0.2998

Protanopia

50.0914, 0.2889, 0.2933

Deuteranopia

50.1666, 0.2753, 0.2693



Tritanopia

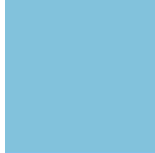
51.4320, 0.2206, 0.3052

Trichromacy



Original Color

51.1810, 0.2197, 0.2998



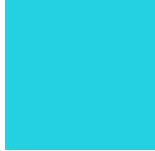
Protanomaly

48.4967, 0.2513, 0.2943



Deuteranomaly

48.7120, 0.2447, 0.2783



Tritanomaly

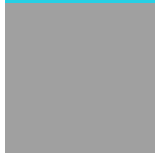
51.5220, 0.2205, 0.3039

Monochromacy



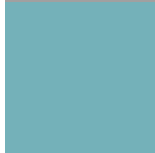
Original Color

51.1810, 0.2197, 0.2998



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.6601, 0.2596, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1810, 0.2197, 0.2998 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(38, 208, 229)` looks like.

```
.text, #text, p{  
    color:rgb(38, 208, 229)  
}
```

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(38, 208, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 208, 229) }
```

Border

The CSS property to change the border of an element to Yxy 51.1810, 0.2197, 0.2998 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(38, 208, 229) }
```

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

```
.border{ border-color:rgb(38, 208, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 208, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 208, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 208, 229);  
box-shadow:4px 4px 4px 4px rgb(38, 208,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1810, 0.2197, 0.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 208, 229) }
```

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

```
.background{ background-color: rgb(38, 208,  
229) }
```

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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