

Converting Colors

$Y_{xy}(52.0209, 0.2181, 0.2887)$

Have a look what the booklet for
Yxy(52.0209, 0.2181, 0.2887)
contains.

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Color

Yxy(51.9378, 0.2180, 0.2885)

Conversions

Conversions Part 1

Format	Color
Hex	31D0EE
RGB	49, 208, 238
RGB Percent	19%, 82%, 93%
CMY	0.8088, 0.1843, 0.0667
CMYK	0.80, 0.13, 0.00, 0.07
HSL	190°, 85%, 56%
HSV	190°, 80%, 93%
XYZ	39.2459, 51.9378, 88.8433
YIQ	163.8790, -104.3940, -24.3780

Conversions

Conversions Part 2

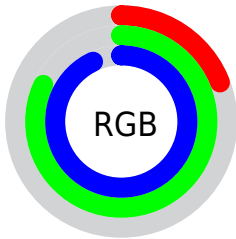
Format	Color
R _Y B	49, 135, 238
Decimal	3264750
CIE Lab	77.24, -29.59, -26.12
CIE LCh	77, 39.470, 221.443
Yxy	51.9378, 0.2180, 0.2885
Android (android.graphics.Color)	4281454830 (0xFF31D0EE)
YUV	163.8790, 36.5417, -100.7489
Hunter-Lab	72.0679, -28.9133, -22.6436

Details

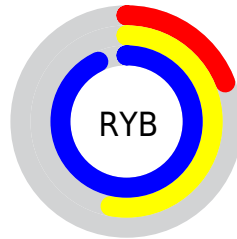
The Yxy color **51.9378, 0.2180, 0.2885** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **23.9526, 0.5674, 0.3522**, and the grayscale version is **36.8936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **26.1599, 0.2104, 0.2775** is the 20% darker color. If you saturate the color by 10%, you get **49.6815, 0.2134, 0.2828**, and if you desaturate by 10%, it is **54.5531, 0.2246, 0.2942**.

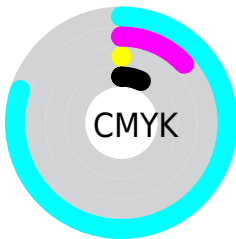
Distribution



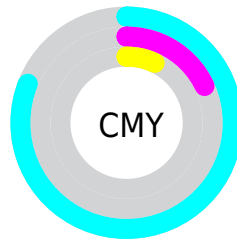
- Red (19%)
- Green (82%)
- Blue (93%)



- Red (19%)
- Yellow (53%)
- Blue (93%)



- Cyan (80%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)



- Cyan (81%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9378, 0.2180, 0.2885 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 51.9378, 0.2180, 0.2885 by changing the saturation by 10% instead.


 51.9378, 0.2180,
0.2885

 51.9378, 0.2180,
0.2885


394.1964, 0.2625,
0.3096


 36.9555, 0.2078,
0.2831


 93.0395, 0.2335,
0.2963

 25.1730, 0.1954,
0.2761


 119.9277, 0.2395,
0.2992

 16.2060, 0.1797,
0.2669


 151.5533, 0.2446,
0.3016

 9.6701, 0.1596,
0.2540

 188.3007, 0.2491,
0.3037

 5.1807, 0.1332,
0.2355

230.5544, 0.2531,
0.3055

 2.3537, 0.0982,
0.2069

278.6986, 0.2566,

 0.8019, 0.0083,

0.3071

0.1674

333.1178, 0.2597,
0.3084

■ 0.0000, 0.0000,
0.0000

■ 51.9378, 0.2180,
0.2885

■ 51.9378, 0.2180,
0.2885

■ 49.6815, 0.2134,
0.2828

■ 54.5531, 0.2246,
0.2942

■ 47.7090, 0.2104,
0.2772

■ 57.5652, 0.2331,
0.2999

■ 47.6155, 0.2103,
0.2769

■ 61.0127, 0.2434,
0.3055

■ 64.9279, 0.2554,
0.3108

■ 69.3396, 0.2687,
0.3159

■ 74.2743, 0.2830,
0.3207

■ 79.7564, 0.2980,
0.3252

■ 85.8086, 0.3135,
0.3292

■ 90.9101, 0.3237,
0.3329

Harmonies

Analogous

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



51.9378, 0.2372, 0.3381



51.9378, 0.2180, 0.2885



51.9378, 0.2213, 0.2562

Triad

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



51.9378, 0.2180, 0.2885



51.9378, 0.3443, 0.2773



51.9378, 0.3776, 0.4215

Complementary

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



51.9378, 0.2180, 0.2885



23.9526, 0.5674, 0.3522

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.



51.9378, 0.4113, 0.3946



51.9378, 0.2180, 0.2885



51.9378, 0.3926, 0.3135

Square

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



51.9378, 0.2180, 0.2885



51.9378, 0.2903, 0.2528



51.9378, 0.4177, 0.3551



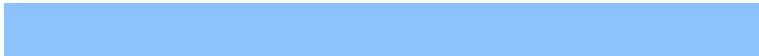
51.9378, 0.3280, 0.4222

Rectangle

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



51.9378, 0.2180, 0.2885



51.9378, 0.2358, 0.2462



51.9378, 0.4177, 0.3551



51.9378, 0.3913, 0.4147

Sweetspot

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



51.9397, 0.2180, 0.2885



84.1513, 0.2763, 0.3186



62.3334, 0.2940, 0.5524



17.5767, 0.2712, 0.3169



0.0000, 0.0000, 0.0000



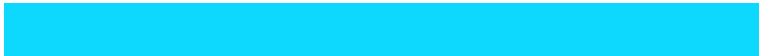
21.4041, 0.3127, 0.3290

Same Dimension

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



51.9397, 0.2180, 0.2885



56.7321, 0.2115, 0.2795



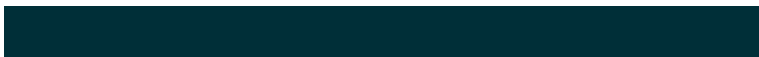
19.0812, 0.1822, 0.1523



17.4775, 0.2981, 0.3252



26.7237, 0.2105, 0.2778



2.3365, 0.2126, 0.2852

Inverse Universe

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



24.9089, 0.3546, 0.1850



26.5313, 0.3638, 0.1792



47.8133, 0.4687, 0.4436



15.9859, 0.3162, 0.3094



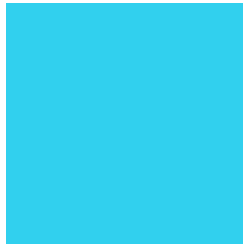
12.4911, 0.3655, 0.1787



1.0506, 0.3587, 0.1749

Previews

White Background



This preview shows how the Yxy color 51.9378, 0.2180, 0.2885 looks on a white background.

Color Contrast Check

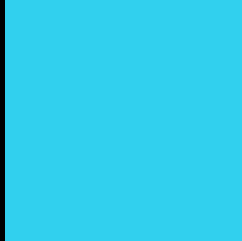
Large Text (above 18pt) WCAG AA × Fail

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 51.9378, 0.2180, 0.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

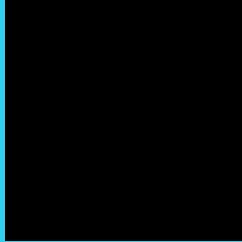
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9378, 0.2180, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 51.9378, 0.2180, 0.2885.

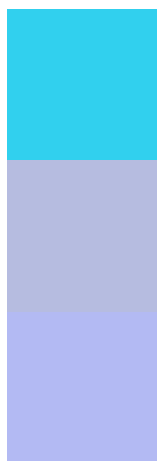


This preview shows how white text looks on a background with the Yxy color 51.9378, 0.2180, 0.2885.

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

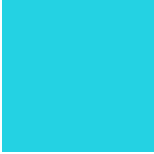
51.9378, 0.2180, 0.2885

Protanopia

51.2933, 0.2822, 0.2853

Deuteranopia

51.1726, 0.2678, 0.2619



Tritanopia

52.0143, 0.2209, 0.3053

Trichromacy



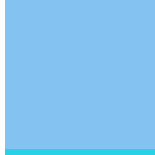
Original Color

51.9378, 0.2180, 0.2885



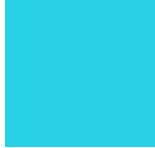
Protanomaly

49.7557, 0.2490, 0.2848



Deuteranomaly

49.8400, 0.2415, 0.2694



Tritanomaly

51.8419, 0.2197, 0.2987

Monochromacy



Original Color

51.9378, 0.2180, 0.2885



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.5417, 0.2604, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9378, 0.2180, 0.2885 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(49, 208, 238)` looks like.

```
.text, #text, p{  
    color:rgb(49, 208, 238)  
}
```

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(49, 208, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 208, 238) }
```

Border

The CSS property to change the border of an element to Yxy 51.9378, 0.2180, 0.2885 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(49, 208, 238) }
```

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

```
.border{ border-color:rgb(49, 208, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 208, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 208, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 208, 238);  
box-shadow:4px 4px 4px 4px rgb(49, 208,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9378, 0.2180, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 208, 238) }
```

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

```
.background{ background-color: rgb(49, 208,  
238) }
```

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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