

Converting Colors

$Y_{xy}(51.7610, 0.2168, 0.2946)$

Have a look what the booklet for
Yxy(51.7610, 0.2168, 0.2946)
contains.

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Color

Yxy(51.7745, 0.2169, 0.2947)

Conversions

Conversions Part 1

Format	Color
Hex	1BD1EA
RGB	27, 209, 234
RGB Percent	11%, 82%, 92%
CMY	0.8929, 0.1804, 0.0825
CMYK	0.88, 0.11, 0.00, 0.08
HSL	187°, 83%, 51%
HSV	187°, 88%, 92%
XYZ	38.1062, 51.7745, 85.8048
YIQ	157.4320, -116.4970, -30.8090

Conversions

Conversions Part 2

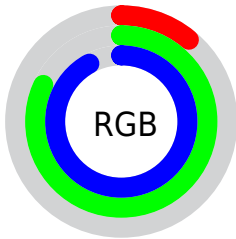
Format	Color
R_{YB}	27, 124, 234
Decimal	1823210
CIE Lab	77.15, -32.81, -24.14
CIE LCh	77, 40.729, 216.345
Yxy	51.7745, 0.2169, 0.2947
Android (android.graphics.Color)	4280013290 (0xFF1BD1EA)
YUV	157.4320, 37.7480, -114.3889
Hunter-Lab	71.9545, -31.3891, -20.3344

Details

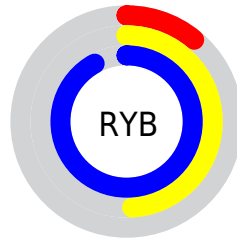
The Yxy color **51.7745, 0.2169, 0.2947** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **20.0509, 0.6048, 0.3429**, and the grayscale version is **33.8313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **26.3256, 0.2128, 0.2859** is the 20% darker color. If you saturate the color by 10%, you get **50.1890, 0.2142, 0.2905**, and if you desaturate by 10%, it is **53.6353, 0.2213, 0.2989**.

Distribution



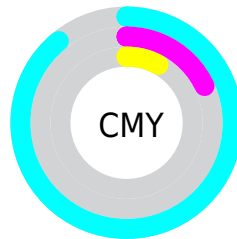
- Red (11%)
- Green (82%)
- Blue (92%)



- Red (11%)
- Yellow (49%)
- Blue (92%)



- Cyan (88%)
- Magenta (11%)
- Yellow (0%)
- Black (8%)




- Cyan (89%)
- Magenta (18%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7745, 0.2169, 0.2947 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 51.7745, 0.2169, 0.2947 by changing the saturation by 10% instead.

 51.7745, 0.2169,
0.2947

 51.7745, 0.2169,
0.2947


393.5654, 0.2619,
0.3130

 36.8254, 0.2066,
0.2899


 92.7986, 0.2326,
0.3015


 25.0723, 0.1939,
0.2837

 119.6423, 0.2387,
0.3041


 16.1309, 0.1780,
0.2753


 151.2197, 0.2439,
0.3062

 9.6169, 0.1576,
0.2636


 187.9152, 0.2484,
0.3079

 5.1457, 0.1308,
0.2463

 230.1131, 0.2524,
0.3095

 2.3330, 0.0951,
0.2189

278.1978, 0.2560,

 0.7911, 0.0000,

0.3108

0.1812

332.5538, 0.2591,
0.3120

■ 0.0000, 0.0000,
0.0000

■ 51.7745, 0.2169,
0.2947

■ 51.7745, 0.2169,
0.2947

■ 50.1890, 0.2142,
0.2905

■ 53.6353, 0.2213,
0.2989

■ 49.9353, 0.2138,
0.2898

■ 55.8239, 0.2275,
0.3032

■ 58.3826, 0.2358,
0.3075

■ 61.3459, 0.2458,
0.3116

■ 64.7441, 0.2576,
0.3157

■ 68.6044, 0.2707,
0.3195

■ 72.9518, 0.2849,
0.3231

■ 77.8093, 0.2999,
0.3264

■ 83.1984, 0.3153,
0.3295

Harmonies

Analogous

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



51.7745, 0.2404, 0.3480



51.7745, 0.2169, 0.2947



51.7745, 0.2164, 0.2580

Triad

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



51.7745, 0.2169, 0.2947



51.7745, 0.3356, 0.2705



51.7745, 0.3870, 0.4212

Complementary

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



51.7745, 0.2169, 0.2947



20.0509, 0.6048, 0.3429

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.



51.7745, 0.4178, 0.3900



51.7745, 0.2169, 0.2947



51.7745, 0.3880, 0.3060

Square

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



51.7745, 0.2169, 0.2947



51.7745, 0.2807, 0.2479



51.7745, 0.4190, 0.3483



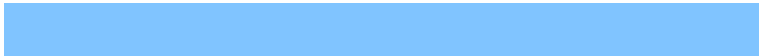
51.7745, 0.3376, 0.4278

Rectangle

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



51.7745, 0.2169, 0.2947



51.7745, 0.2288, 0.2454



51.7745, 0.4190, 0.3483



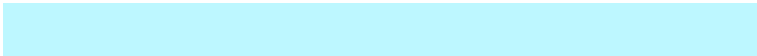
51.7745, 0.4000, 0.4128

Sweetspot

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



51.7764, 0.2169, 0.2947



84.5144, 0.2737, 0.3203



59.3099, 0.2965, 0.5769



17.7162, 0.2689, 0.3190



0.0000, 0.0000, 0.0000



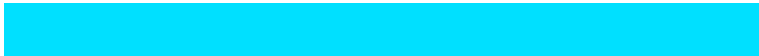
21.4041, 0.3127, 0.3290

Same Dimension

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



51.7764, 0.2169, 0.2947



60.6298, 0.2138, 0.2896



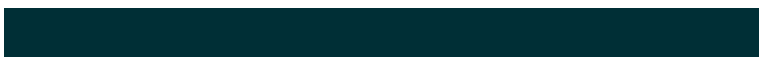
16.5957, 0.1753, 0.1418



16.7930, 0.2981, 0.3261



28.1930, 0.2140, 0.2905



2.3014, 0.2156, 0.2963

Inverse Universe

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



22.8898, 0.3497, 0.1747



26.6518, 0.3547, 0.1727



40.9300, 0.4911, 0.4388



15.2806, 0.3156, 0.3085



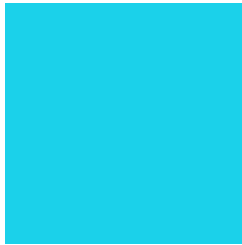
12.3389, 0.3539, 0.1723



0.9777, 0.3487, 0.1695

Previews

White Background



This preview shows how the Yxy color 51.7745, 0.2169, 0.2947 looks on a white background.

Color Contrast Check

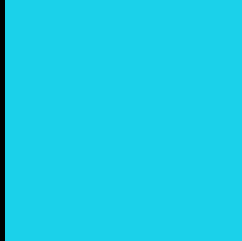
Large Text (above 18pt) WCAG AA × Fail

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 51.7745, 0.2169, 0.2947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

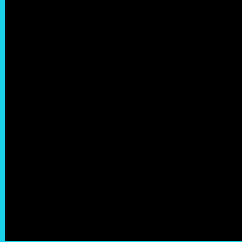
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7745, 0.2169, 0.2947

Background



This preview shows how black text looks on a background with the Yxy color 51.7745, 0.2169, 0.2947.



This preview shows how white text looks on a background with the Yxy color 51.7745, 0.2169, 0.2947.

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

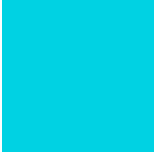
51.7745, 0.2169, 0.2947

Protanopia

50.7224, 0.2862, 0.2899

Deuteranopia

50.7537, 0.2715, 0.2651



Tritanopia

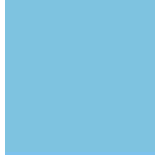
51.6392, 0.2181, 0.3051

Trichromacy



Original Color

51.7745, 0.2169, 0.2947



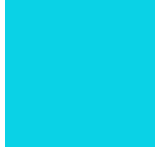
Protanomaly

48.8477, 0.2472, 0.2904



Deuteranomaly

49.0580, 0.2399, 0.2734



Tritanomaly

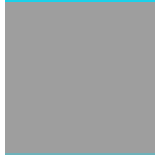
51.8709, 0.2175, 0.3012

Monochromacy



Original Color

51.7745, 0.2169, 0.2947



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

38.3044, 0.2552, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7745, 0.2169, 0.2947 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(27, 209, 234)` looks like.

```
.text, #text, p{  
    color:rgb(27, 209, 234)  
}
```

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(27, 209, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 209, 234) }
```

Border

The CSS property to change the border of an element to Yxy 51.7745, 0.2169, 0.2947 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(27, 209, 234) }
```

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

```
.border{ border-color:rgb(27, 209, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 209, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 209, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 209, 234);  
box-shadow:4px 4px 4px 4px rgb(27, 209,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7745, 0.2169, 0.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 209, 234) }
```

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

```
.background{ background-color: rgb(27, 209,  
234) }
```

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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