

Converting Colors

$Y_{xy}(37.9720, 0.2131, 0.2812)$

Have a look what the booklet for
Yxy(37.9720, 0.2131, 0.2812)
contains.

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Color

Yxy(37.9834, 0.2133, 0.2817)

Conversions

Conversions Part 1

Format	Color
Hex	17B5D4
RGB	23, 181, 212
RGB Percent	9%, 71%, 83%
CMY	0.9094, 0.2902, 0.1687
CMYK	0.89, 0.15, 0.00, 0.17
HSL	190°, 80%, 46%
HSV	190°, 89%, 83%
XYZ	28.7606, 37.9834, 68.0924
YIQ	137.2920, -104.1190, -23.8550

Conversions

Conversions Part 2

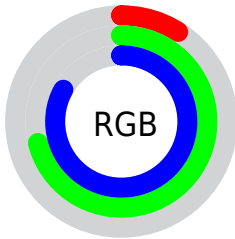
Format	Color
RYB	23, 109, 212
Decimal	1553876
CIELab	68.01, -26.43, -26.19
CIELCh	68, 37.206, 224.741
Yxy	37.9834, 0.2133, 0.2817
Android (android.graphics.Color)	4279743956 (0xFF17B5D4)
YUV	137.2920, 36.8310, -100.2341
Hunter-Lab	61.6307, -24.5548, -22.3648

Details

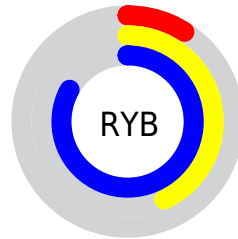
The Yxy color **37.9834, 0.2133, 0.2817** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **16.7036, 0.5981, 0.3490**, and the grayscale version is **25.0322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0396, 0.2364, 0.3074**, and **17.8727, 0.2082, 0.2696** is the 20% darker color. If you saturate the color by 10%, you get **36.4171, 0.2101, 0.2759**, and if you desaturate by 10%, it is **39.7755, 0.2182, 0.2876**.

Distribution



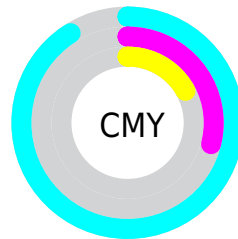
- Red (9%)
- Green (71%)
- Blue (83%)



- Red (9%)
- Yellow (43%)
- Blue (83%)



- Cyan (89%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)





- Cyan (91%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9834, 0.2133, 0.2817 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 37.9834, 0.2133, 0.2817 by changing the saturation by 10% instead.


 37.9834, 0.2133,
0.2817


 37.9834, 0.2133,
0.2817


337.5488, 0.2624,
0.3074


 25.9698, 0.2015,
0.2748


 72.0827, 0.2309,
0.2915


 16.8011, 0.1866,
0.2656


 94.9372, 0.2375,
0.2950

 10.0927, 0.1675,
0.2530


 122.1741, 0.2432,
0.2979

 5.4605, 0.1424,
0.2350

 154.1778, 0.2481,
0.3004

 2.5199, 0.1086,
0.2075

 191.3327, 0.2524,
0.3026

 0.8866, 0.0374,
0.1677

234.0233, 0.2561,

 0.0000, 0.0000,

0.3044

0.0000

282.6338, 0.2594,
0.3060

■ 37.9834, 0.2133,
0.2817

■ 37.9834, 0.2133,
0.2817

■ 36.4171, 0.2101,
0.2759

■ 39.7755, 0.2182,
0.2876

■ 36.2809, 0.2098,
0.2754

■ 41.8417, 0.2249,
0.2935

■ 44.2157, 0.2336,
0.2993

■ 46.9250, 0.2441,
0.3050

■ 49.9935, 0.2561,
0.3106

■ 53.4430, 0.2695,
0.3158

■ 57.2932, 0.2838,
0.3207

■ 61.5627, 0.2988,
0.3252

■ 66.2684, 0.3141,
0.3294

Harmonies

Analogous

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



37.9834, 0.2306, 0.3321



37.9834, 0.2133, 0.2817



37.9834, 0.2194, 0.2506

Triad

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



37.9834, 0.2133, 0.2817



37.9834, 0.3518, 0.2788



37.9834, 0.3751, 0.4273

Complementary

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



37.9834, 0.2133, 0.2817



16.7036, 0.5981, 0.3490

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.



37.9834, 0.4130, 0.4011



37.9834, 0.2133, 0.2817



37.9834, 0.4007, 0.3173

Square

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



37.9834, 0.2133, 0.2817



37.9834, 0.2950, 0.2518



37.9834, 0.4235, 0.3607



37.9834, 0.3224, 0.4249

Rectangle

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



37.9834, 0.2133, 0.2817



37.9834, 0.2359, 0.2420



37.9834, 0.4235, 0.3607



37.9834, 0.3901, 0.4211

Sweetspot

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



37.9848, 0.2133, 0.2817



82.2026, 0.2720, 0.3167



47.5057, 0.2950, 0.5719



17.1852, 0.2672, 0.3150



0.0000, 0.0000, 0.0000



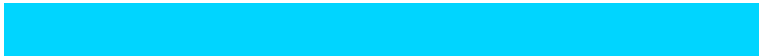
21.4041, 0.3127, 0.3290

Same Dimension

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



37.9848, 0.2133, 0.2817



54.8947, 0.2097, 0.2748



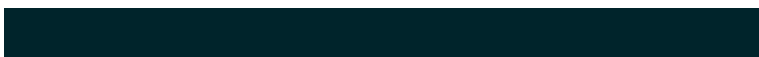
12.1163, 0.1726, 0.1321



13.7449, 0.2983, 0.3251



22.5269, 0.2101, 0.2762



1.4533, 0.2129, 0.2863

Inverse Universe

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



17.9481, 0.3614, 0.1812



26.0728, 0.3683, 0.1803



34.5769, 0.4837, 0.4453



12.5961, 0.3163, 0.3097



10.6190, 0.3670, 0.1795



0.6500, 0.3577, 0.1744

Previews

White Background



This preview shows how the Yxy color 37.9834, 0.2133, 0.2817 looks on a white background.

Color Contrast Check

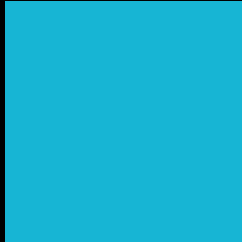
Large Text (above 18pt) WCAG AA × Fail

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 37.9834, 0.2133, 0.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

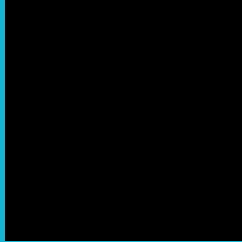
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9834, 0.2133, 0.2817

Background



This preview shows how black text looks on a background with the Yxy color 37.9834, 0.2133, 0.2817.

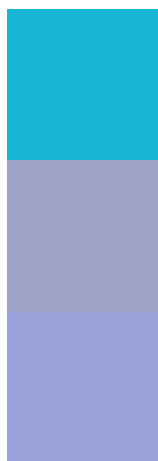


This preview shows how white text looks on a background with the Yxy color 37.9834, 0.2133, 0.2817.

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

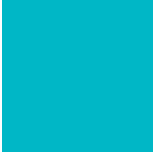
37.9834, 0.2133, 0.2817

Protanopia

37.3858, 0.2774, 0.2794

Deuteranopia

37.4739, 0.2622, 0.2568



Tritanopia

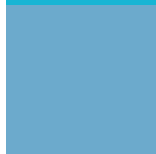
37.9442, 0.2181, 0.3050

Trichromacy



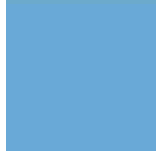
Original Color

37.9834, 0.2133, 0.2817



Protanomaly

36.2972, 0.2416, 0.2787



Deuteranomaly

36.2855, 0.2336, 0.2626



Tritanomaly

37.8193, 0.2161, 0.2960

Monochromacy



Original Color

37.9834, 0.2133, 0.2817



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.9496, 0.2541, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9834, 0.2133, 0.2817 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(23, 181, 212)` looks like.

```
.text, #text, p{  
    color:rgb(23, 181, 212)  
}
```

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(23, 181, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 181, 212) }
```

Border

The CSS property to change the border of an element to Yxy 37.9834, 0.2133, 0.2817 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(23, 181, 212) }
```

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

```
.border{ border-color:rgb(23, 181, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 181, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 181, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 181, 212);  
box-shadow:4px 4px 4px 4px rgb(23, 181,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9834, 0.2133, 0.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 181, 212) }
```

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

```
.background{ background-color: rgb(23, 181,  
212) }
```

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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