

Converting Colors

$Y_{xy}(30.2731, 0.1771, 0.2809)$

Have a look what the booklet for
Yxy(30.2731, 0.1771, 0.2809)
contains.

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Color

Yxy(33.2030, 0.2125, 0.2850)

Conversions

Conversions Part 1

Format	Color
Hex	00ABC6
RGB	0, 171, 198
RGB Percent	0%, 67%, 78%
CMY	1.0000, 0.3294, 0.2234
CMYK	1.00, 0.14, 0.00, 0.22
HSL	188°, 100%, 39%
HSV	188°, 100%, 78%
XYZ	24.7566, 33.2030, 58.5421
YIQ	122.9490, -110.5830, -27.8550

Conversions

Conversions Part 2

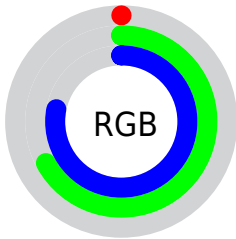
Format	Color
RYB	0, 92, 198
Decimal	43974
CIELab	64.32, -26.91, -24.14
CIELCh	64, 36.151, 221.890
Yxy	33.2030, 0.2125, 0.2850
Android (android.graphics.Color)	4278234054 (0xFF00ABC6)
YUV	122.9490, 37.0001, -107.8263
Hunter-Lab	57.6220, -24.1482, -19.9013

Details

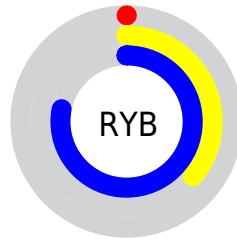
The Yxy color **33.2030, 0.2125, 0.2850** is a dark color, and the websafe version is hex **339999**. The color can be described as dark washed azure. A complement of this color would be **12.7934, 0.6283, 0.3393**, and the grayscale version is **19.6938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9249, 0.2310, 0.2948**, and **14.9705, 0.2087, 0.2714** is the 20% darker color. If you saturate the color by 10%, you get **33.2047, 0.2125, 0.2850**, and if you desaturate by 10%, it is **34.3826, 0.2154, 0.2897**.

Distribution



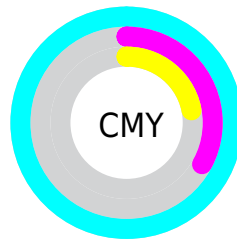
- Red (0%)
- Green (67%)
- Blue (78%)



- Red (0%)
- Yellow (36%)
- Blue (78%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2030, 0.2125, 0.2850 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 33.2030, 0.2125, 0.2850 by changing the saturation by 10% instead.

 33.2030, 0.2125,
0.2850


 33.2030, 0.2125,
0.2850


316.5635, 0.2631,
0.3096


 22.2820, 0.2000,
0.2781


 64.6923, 0.2309,
0.2945


 14.0643, 0.1840,
0.2687


 86.0295, 0.2378,
0.2980

 8.1654, 0.1633,
0.2556


 111.6074, 0.2436,
0.3008

 4.2009, 0.1355,
0.2361

 141.8106, 0.2486,
0.3031

 1.7866, 0.0976,
0.2051

 177.0234, 0.2530,
0.3051

 0.4788, 0.0000,
0.1451

217.6302, 0.2568,

 0.0000, 0.0000,

0.3068

0.0000

264.0154, 0.2601,
0.3083

■ 33.2030, 0.2125,
0.2850

■ 33.2030, 0.2125,
0.2850

■ 33.2047, 0.2125,
0.2850

■ 34.3826, 0.2154,
0.2897

■ 35.7314, 0.2197,
0.2945

■ 37.3038, 0.2260,
0.2993

■ 39.1273, 0.2342,
0.3041

■ 41.2253, 0.2441,
0.3088

■ 43.6181, 0.2557,
0.3134

■ 46.3242, 0.2687,
0.3177

■ 49.3605, 0.2827,
0.3218

■ 52.7424, 0.2975,
0.3255

Harmonies

Analogous

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



33.2030, 0.2322, 0.3376



33.2030, 0.2125, 0.2850



33.2030, 0.2164, 0.2514

Triad

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



33.2030, 0.2125, 0.2850



33.2030, 0.3470, 0.2748



33.2030, 0.3805, 0.4274

Complementary

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



33.2030, 0.2125, 0.2850



12.7934, 0.6283, 0.3393

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.



33.2030, 0.4169, 0.3986



33.2030, 0.2125, 0.2850



33.2030, 0.3983, 0.3130

Square

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



33.2030, 0.2125, 0.2850



33.2030, 0.2895, 0.2489



33.2030, 0.4245, 0.3568



33.2030, 0.3278, 0.4283

Rectangle

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



33.2030, 0.2125, 0.2850



33.2030, 0.2318, 0.2414



33.2030, 0.4245, 0.3568



33.2030, 0.3952, 0.4201

Sweetspot

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



33.2047, 0.2125, 0.2850



81.7843, 0.2680, 0.3175



40.4742, 0.2972, 0.5900



17.0538, 0.2624, 0.3157



0.0000, 0.0000, 0.0000



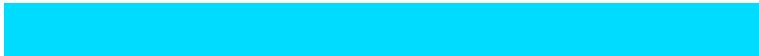
21.4041, 0.3127, 0.3290

Same Dimension

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



33.2047, 0.2125, 0.2850



58.5148, 0.2123, 0.2843



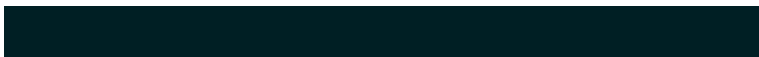
8.7919, 0.1656, 0.1160



11.8112, 0.2984, 0.3258



21.6812, 0.2127, 0.2856



1.0966, 0.2154, 0.2955

Inverse Universe

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



14.9490, 0.3589, 0.1751



26.4382, 0.3595, 0.1754



26.7807, 0.5028, 0.4389



10.7908, 0.3158, 0.3093



9.7287, 0.3583, 0.1747



0.4677, 0.3494, 0.1698

Previews

White Background



This preview shows how the Yxy color 33.2030, 0.2125, 0.2850 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 33.2030, 0.2125, 0.2850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

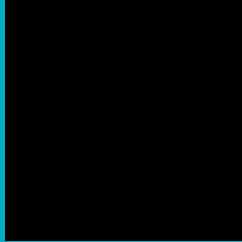
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2030, 0.2125, 0.2850

Background



This preview shows how black text looks on a background with the Yxy color 33.2030, 0.2125, 0.2850.

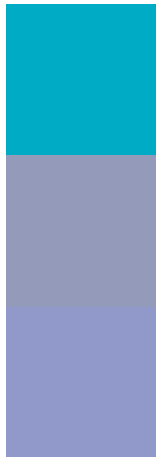


This preview shows how white text looks on a background with the Yxy color 33.2030, 0.2125, 0.2850.

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

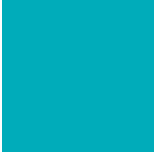
33.2030, 0.2125, 0.2850

Protanopia

32.9523, 0.2797, 0.2824

Deuteranopia

32.7405, 0.2649, 0.2583



Tritanopia

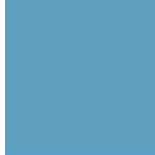
33.0502, 0.2181, 0.3053

Trichromacy



Original Color

33.2030, 0.2125, 0.2850



Protanomaly

31.2390, 0.2384, 0.2813



Deuteranomaly

31.2886, 0.2308, 0.2640



Tritanomaly

33.2228, 0.2164, 0.2990

Monochromacy



Original Color

33.2030, 0.2125, 0.2850



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.5779, 0.2474, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2030, 0.2125, 0.2850 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(0, 171, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 198)  
}
```

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(0, 171, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 198) }
```

Border

The CSS property to change the border of an element to Yxy 33.2030, 0.2125, 0.2850 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(0, 171, 198) }
```

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

```
.border{ border-color:rgb(0, 171, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2030, 0.2125, 0.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 198) }
```

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

```
.background{ background-color: rgb(0, 171,  
198) }
```

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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