

Converting Colors

$Y_{xy}(32.9370, 0.1923, 0.2892)$

Have a look what the booklet for
Yxy(32.9370, 0.1923, 0.2892)
contains.

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Color

Yxy(34.7835, 0.2140, 0.2903)

Conversions

Conversions Part 1

Format	Color
Hex	00AFC7
RGB	0, 175, 199
RGB Percent	0%, 69%, 78%
CMY	0.9987, 0.3137, 0.2196
CMYK	1.00, 0.12, 0.00, 0.22
HSL	187°, 100%, 39%
HSV	187°, 100%, 78%
XYZ	25.6413, 34.7835, 59.3944
YIQ	125.4110, -112.0040, -29.6360

Conversions

Conversions Part 2

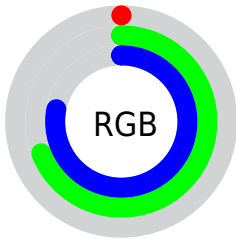
Format	Color
RYB	0, 93, 199
Decimal	44999
CIELab	65.58, -28.56, -22.76
CIELCh	66, 36.521, 218.551
Yxy	34.7835, 0.2140, 0.2903
Android (android.graphics.Color)	4278235079 (0xFF00AFC7)
YUV	125.4110, 36.2794, -109.9854
Hunter-Lab	58.9775, -25.6054, -18.4247

Details

The Yxy color **34.7835, 0.2140, 0.2903** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **12.8097, 0.6300, 0.3378**, and the grayscale version is **20.5920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1385, 0.2322, 0.2998**, and **15.9634, 0.2108, 0.2788** is the 20% darker color. If you saturate the color by 10%, you get **34.7672, 0.2140, 0.2902**, and if you desaturate by 10%, it is **35.8780, 0.2167, 0.2944**.

Distribution



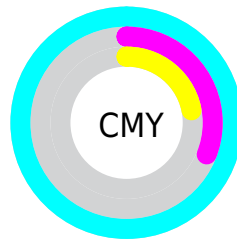
- Red (0%)
- Green (69%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (31%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7835, 0.2140, 0.2903 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 34.7835, 0.2140, 0.2903 by changing the saturation by 10% instead.


 34.7835, 0.2140,
0.2903


 34.7835, 0.2140,
0.2903


323.6117, 0.2635,
0.3121


 23.4962, 0.2018,
0.2841


 67.1502, 0.2319,
0.2988

 14.9603, 0.1863,
0.2758

 88.9984, 0.2387,
0.3018


 8.7915, 0.1662,
0.2641


 115.1357, 0.2444,
0.3042

 4.6054, 0.1393,
0.2466

 145.9464, 0.2493,
0.3063

 2.0177, 0.1025,
0.2186

 181.8149, 0.2536,
0.3081

 0.6177, 0.0000,
0.1739

223.1257, 0.2573,

 0.0000, 0.0000,

0.3096

0.0000

270.2632, 0.2606,
0.3109

■ 34.7835, 0.2140,
0.2903

■ 34.7835, 0.2140,
0.2903

■ 34.7672, 0.2140,
0.2902

■ 35.8780, 0.2167,
0.2944

■ 37.1415, 0.2209,
0.2986

■ 38.6272, 0.2270,
0.3029

■ 40.3627, 0.2349,
0.3071

■ 42.3716, 0.2447,
0.3112

■ 44.6745, 0.2562,
0.3152

■ 47.2900, 0.2690,
0.3190

■ 50.2350, 0.2830,
0.3226

■ 53.5253, 0.2977,
0.3260

Harmonies

Analogous

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



34.7835, 0.2362, 0.3441



34.7835, 0.2140, 0.2903



34.7835, 0.2153, 0.2544

Triad

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



34.7835, 0.2140, 0.2903



34.7835, 0.3404, 0.2715



34.7835, 0.3853, 0.4248

Complementary

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



34.7835, 0.2140, 0.2903



12.8097, 0.6300, 0.3378

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.



34.7835, 0.4188, 0.3940



34.7835, 0.2140, 0.2903



34.7835, 0.3931, 0.3085

Square

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



34.7835, 0.2140, 0.2903



34.7835, 0.2837, 0.2473



34.7835, 0.4226, 0.3518



34.7835, 0.3339, 0.4294

Rectangle

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



34.7835, 0.2140, 0.2903



34.7835, 0.2289, 0.2428



34.7835, 0.4226, 0.3518



34.7835, 0.3992, 0.4167

Sweetspot

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



34.7847, 0.2140, 0.2903



82.5086, 0.2682, 0.3188



40.9127, 0.2977, 0.5917



17.2293, 0.2626, 0.3172



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.



34.7847, 0.2140, 0.2903



60.6352, 0.2138, 0.2896



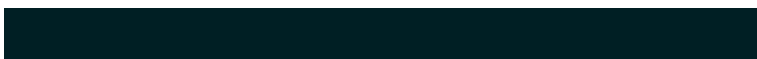
9.3617, 0.1670, 0.1209



11.8404, 0.2984, 0.3261



22.4420, 0.2141, 0.2908



1.1259, 0.2165, 0.2995

Inverse Universe

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



15.2443, 0.3541, 0.1725



26.6523, 0.3547, 0.1727



26.2696, 0.5073, 0.4353



10.7937, 0.3156, 0.3089



9.8055, 0.3536, 0.1722



0.4707, 0.3459, 0.1679

Previews

White Background



This preview shows how the Yxy color 34.7835, 0.2140, 0.2903 looks on a white background.

Color Contrast Check

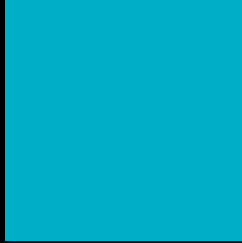
Large Text (above 18pt) WCAG AA × Fail

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 34.7835, 0.2140, 0.2903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

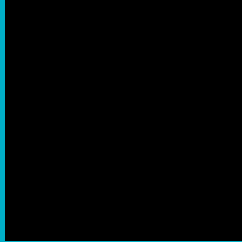
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7835, 0.2140, 0.2903

Background



This preview shows how black text looks on a background with the Yxy color 34.7835, 0.2140, 0.2903.



This preview shows how white text looks on a background with the Yxy color 34.7835, 0.2140, 0.2903.

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

34.7835, 0.2140, 0.2903

Protanopia

34.3772, 0.2826, 0.2860

Deuteranopia

34.2385, 0.2686, 0.2622

Trichromacy



Original Color

34.7835, 0.2140, 0.2903

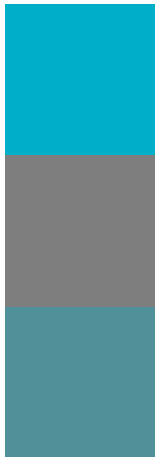
Protanomaly

32.8539, 0.2408, 0.2866

Deuteranomaly

32.5917, 0.2335, 0.2679

Monochromacy



Original Color

34.7835, 0.2140, 0.2903

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

23.9519, 0.2480, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7835, 0.2140, 0.2903 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, 175, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 199)  
}
```

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, 175, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 199) }
```

Border

The CSS property to change the border of an element to Yxy 34.7835, 0.2140, 0.2903 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, 175, 199) }
```

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

```
.border{ border-color:rgb(0, 175, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
199) }
```

Background

The CSS property to change the background color of an element to Yxy 34.7835, 0.2140, 0.2903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 199) }
```

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

```
.background{ background-color: rgb(0, 175,  
199) }
```

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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