

Converting Colors

$Y_{xy}(39.7720, 0.2135, 0.2932)$

Have a look what the booklet for
Yxy(39.7720, 0.2135, 0.2932)
contains.

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Color

Yxy(39.7710, 0.2145, 0.2923)

Conversions

Conversions Part 1

Format	Color
Hex	00BAD2
RGB	0, 186, 210
RGB Percent	0%, 73%, 82%
CMY	1.0000, 0.2705, 0.1765
CMYK	1.00, 0.11, 0.00, 0.18
HSL	187°, 100%, 41%
HSV	187°, 100%, 82%
XYZ	29.1854, 39.7710, 67.1059
YIQ	133.1220, -118.5600, -31.9680

Conversions

Conversions Part 2

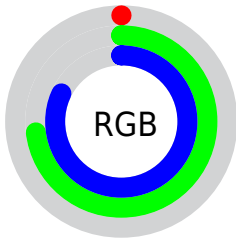
Format	Color
RYB	0, 99, 210
Decimal	47826
CIELab	69.31, -30.38, -23.12
CIELCh	69, 38.175, 217.278
Yxy	39.7710, 0.2145, 0.2923
Android (android.graphics.Color)	4278237906 (0xFF00BAD2)
YUV	133.1220, 37.9009, -116.7480
Hunter-Lab	63.0643, -27.7549, -18.9448

Details

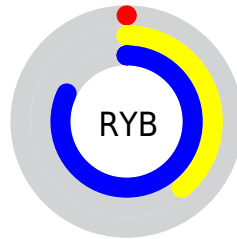
The Yxy color **39.7710, 0.2145, 0.2923** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **14.3531, 0.6314, 0.3369**, and the grayscale version is **23.3965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7275, 0.2365, 0.3134**, and **18.8691, 0.2116, 0.2819** is the 20% darker color. If you saturate the color by 10%, you get **39.7760, 0.2145, 0.2923**, and if you desaturate by 10%, it is **40.9545, 0.2171, 0.2962**.

Distribution



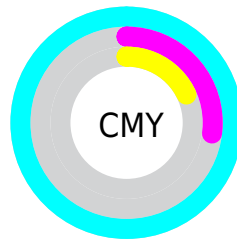
- Red (0%)
- Green (73%)
- Blue (82%)



- Red (0%)
- Yellow (39%)
- Blue (82%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)





- Cyan (100%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7710, 0.2145, 0.2923 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 39.7710, 0.2145, 0.2923 by changing the saturation by 10% instead.


 39.7710, 0.2145,
0.2923


 39.7710, 0.2145,
0.2923


345.1574, 0.2627,
0.3126


 27.3600, 0.2029,
0.2867


 74.8147, 0.2317,
0.3001

 17.8438, 0.1884,
0.2792


 98.2162, 0.2383,
0.3029


 10.8379, 0.1698,
0.2688


 126.0500, 0.2439,
0.3052

 5.9579, 0.1452,
0.2536

 158.7005, 0.2487,
0.3072

 2.8195, 0.1121,
0.2300

 196.5521, 0.2529,
0.3089

 1.0383, 0.0446,
0.1950

239.9892, 0.2566,

 0.0000, 0.0000,

0.3103

0.0000

289.3962, 0.2598,
0.3115

■ 39.7710, 0.2145,
0.2923

■ 39.7710, 0.2145,
0.2923

■ 39.7760, 0.2145,
0.2923

■ 40.9545, 0.2171,
0.2962

■ 42.3233, 0.2211,
0.3002

■ 43.9410, 0.2270,
0.3042

■ 45.8394, 0.2349,
0.3082

■ 48.0454, 0.2446,
0.3121

■ 50.5827, 0.2559,
0.3159

■ 53.4725, 0.2687,
0.3195

■ 56.7341, 0.2826,
0.3229

■ 60.3854, 0.2974,
0.3261

Harmonies

Analogous

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



39.7710, 0.2377, 0.3465



39.7710, 0.2145, 0.2923



39.7710, 0.2148, 0.2555

Triad

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



39.7710, 0.2145, 0.2923



39.7710, 0.3379, 0.2702



39.7710, 0.3872, 0.4239

Complementary

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



39.7710, 0.2145, 0.2923



14.3531, 0.6314, 0.3369

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.



39.7710, 0.4196, 0.3924



39.7710, 0.2145, 0.2923



39.7710, 0.3912, 0.3067

Square

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



39.7710, 0.2145, 0.2923



39.7710, 0.2815, 0.2467



39.7710, 0.4220, 0.3499



39.7710, 0.3363, 0.4299

Rectangle

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



39.7710, 0.2145, 0.2923



39.7710, 0.2278, 0.2433



39.7710, 0.4220, 0.3499



39.7710, 0.4007, 0.4154

Sweetspot

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



39.7760, 0.2145, 0.2923



82.8165, 0.2683, 0.3194



46.1440, 0.2983, 0.5937



17.3039, 0.2627, 0.3179



0.0000, 0.0000, 0.0000



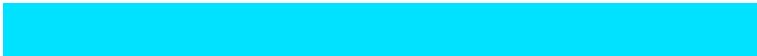
21.4041, 0.3127, 0.3290

Same Dimension

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



39.7760, 0.2145, 0.2923



61.5475, 0.2144, 0.2919



10.9930, 0.1680, 0.1248



13.1669, 0.2983, 0.3263



24.3588, 0.2147, 0.2929



1.4290, 0.2167, 0.3001

Inverse Universe

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



17.2464, 0.3523, 0.1714



26.7444, 0.3526, 0.1716



28.6213, 0.5127, 0.4311



11.9848, 0.3155, 0.3087



10.5303, 0.3517, 0.1711



0.5956, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 39.7710, 0.2145, 0.2923 looks on a white background.

Color Contrast Check

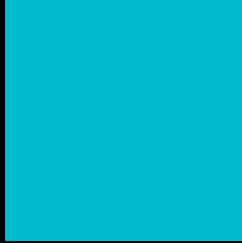
Large Text (above 18pt) WCAG AA × Fail

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 39.7710, 0.2145, 0.2923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

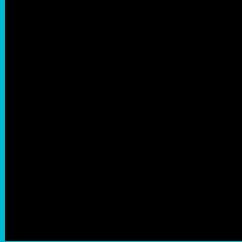
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7710, 0.2145, 0.2923

Background



This preview shows how black text looks on a background with the Yxy color 39.7710, 0.2145, 0.2923.



This preview shows how white text looks on a background with the Yxy color 39.7710, 0.2145, 0.2923.

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

39.7710, 0.2145, 0.2923

Protanopia

39.3500, 0.2842, 0.2882

Deuteranopia

39.2901, 0.2694, 0.2632

Trichromacy



Original Color

39.7710, 0.2145, 0.2923

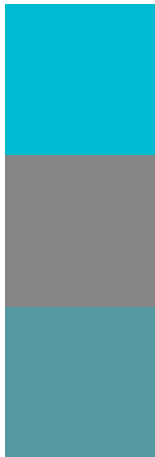
Protanomaly

37.4199, 0.2410, 0.2873

Deuteranomaly

37.5160, 0.2343, 0.2710

Monochromacy



Original Color

39.7710, 0.2145, 0.2923

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

26.9610, 0.2485, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7710, 0.2145, 0.2923 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, 186, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 210)  
}
```

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, 186, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 210) }
```

Border

The CSS property to change the border of an element to Yxy 39.7710, 0.2145, 0.2923 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, 186, 210) }
```

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

```
.border{ border-color:rgb(0, 186, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
210) }
```

Background

The CSS property to change the background color of an element to Yxy 39.7710, 0.2145, 0.2923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 210) }
```

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

```
.background{ background-color: rgb(0, 186,  
210) }
```

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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