

Converting Colors

$Y_{xy}(38.9468, 0.2252, 0.3629)$

Have a look what the booklet for
Yxy(38.9468, 0.2252, 0.3629)
contains.

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Color

Yxy(39.7292, 0.2339, 0.3620)

Conversions

Conversions Part 1

Format	Color
Hex	00BEAA
RGB	0, 190, 170
RGB Percent	0%, 75%, 67%
CMY	0.9996, 0.2549, 0.3333
CMYK	1.00, 0.00, 0.11, 0.25
HSL	174°, 100%, 37%
HSV	174°, 100%, 75%
XYZ	25.6703, 39.7292, 44.3496
YIQ	130.9100, -106.8200, -46.5000

Conversions

Conversions Part 2

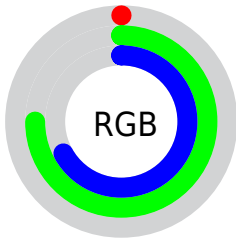
Format	Color
RYB	0, 100, 190
Decimal	48810
CIELab	69.28, -44.37, -1.23
CIELCh	69, 44.390, 181.583
Yxy	39.7292, 0.2339, 0.3620
Android (android.graphics.Color)	4278238890 (0xFF00BEAA)
YUV	130.9100, 19.2714, -114.8081
Hunter-Lab	63.0311, -37.6077, 2.4044

Details

The Yxy color **39.7292, 0.2339, 0.3620** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.0001, 0.6278, 0.3233**, and the grayscale version is **22.6327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6671, 0.2485, 0.3561**, and **18.9163, 0.2361, 0.3699** is the 20% darker color. If you saturate the color by 10%, you get **39.7297, 0.2339, 0.3620**, and if you desaturate by 10%, it is **39.9458, 0.2345, 0.3584**.

Distribution



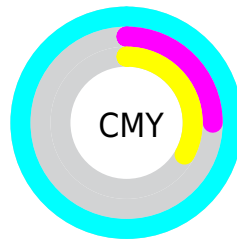
- Red (0%)
- Green (75%)
- Blue (67%)



- Red (0%)
- Yellow (39%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7292, 0.2339, 0.3620 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 39.7292, 0.2339, 0.3620 by changing the saturation by 10% instead.


 39.7292, 0.2339,
0.3620


 39.7292, 0.2339,
0.3620


344.9809, 0.2738,
0.3454


 27.3275, 0.2238,
0.3661


 74.7510, 0.2485,
0.3560

 17.8193, 0.2109,
0.3714


 98.1398, 0.2539,
0.3537

 10.8203, 0.1937,
0.3783


 125.9598, 0.2585,
0.3518

 5.9462, 0.1700,
0.3877

 158.5953, 0.2625,
0.3502

 2.8124, 0.1354,
0.4010

 196.4308, 0.2659,
0.3488

 1.0346, 0.0000,
0.4580

239.8506, 0.2689,

 0.0000, 0.0000,

0.3475

0.0000

289.2392, 0.2715,
0.3464

■ 39.7292, 0.2339,
0.3620

■ 39.7292, 0.2339,
0.3620

■ 39.7297, 0.2339,
0.3620

■ 39.9458, 0.2345,
0.3584

■ 40.2977, 0.2365,
0.3548

■ 40.8351, 0.2403,
0.3512

■ 41.5826, 0.2461,
0.3476

■ 42.5611, 0.2537,
0.3441

■ 43.7890, 0.2630,
0.3407

■ 45.2828, 0.2739,
0.3374

■ 47.0576, 0.2860,
0.3344

■ 49.1273, 0.2990,
0.3316

Harmonies

Analogous

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



39.7292, 0.2873, 0.4233



39.7292, 0.2339, 0.3620



39.7292, 0.2032, 0.2961

Triad

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



39.7292, 0.2339, 0.3620



39.7292, 0.2653, 0.2322



39.7292, 0.4398, 0.3913

Complementary

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



39.7292, 0.2339, 0.3620



11.0001, 0.6278, 0.3233

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.



39.7292, 0.4359, 0.3419



39.7292, 0.2339, 0.3620



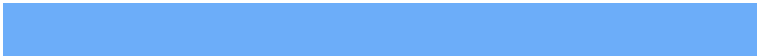
39.7292, 0.3286, 0.2554

Square

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



39.7292, 0.2339, 0.3620



39.7292, 0.2201, 0.2292



39.7292, 0.3935, 0.2941



39.7292, 0.4071, 0.4326

Rectangle

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



39.7292, 0.2339, 0.3620



39.7292, 0.1974, 0.2624



39.7292, 0.3935, 0.2941



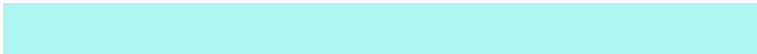
39.7292, 0.4430, 0.3752

Sweetspot

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



39.7307, 0.2339, 0.3620



81.9004, 0.2733, 0.3376



37.0011, 0.3029, 0.5977



17.7199, 0.2685, 0.3390



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



39.7307, 0.2339, 0.3620



71.9729, 0.2341, 0.3626



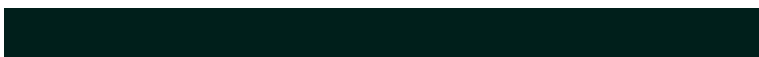
16.4883, 0.1884, 0.1981



10.7918, 0.2999, 0.3314



26.4246, 0.2338, 0.3615



1.0401, 0.2314, 0.3530

Inverse Universe

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



11.0001, 0.6278, 0.3233



19.9126, 0.6301, 0.3245



15.6983, 0.5745, 0.3820



9.5523, 0.3272, 0.3266



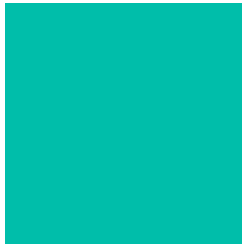
7.3186, 0.6259, 0.3222



0.2922, 0.5814, 0.2976

Previews

White Background



This preview shows how the Yxy color 39.7292, 0.2339, 0.3620 looks on a white background.

Color Contrast Check

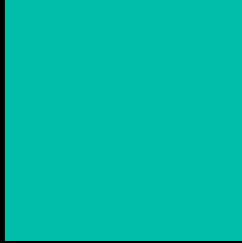
Large Text (above 18pt) WCAG AA × Fail

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 39.7292, 0.2339, 0.3620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

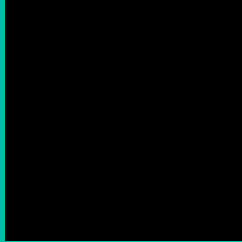
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7292, 0.2339, 0.3620

Background



This preview shows how black text looks on a background with the Yxy color 39.7292, 0.2339, 0.3620.

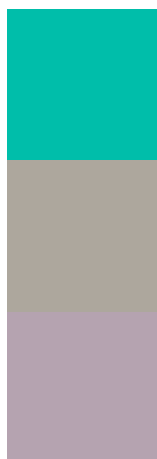


This preview shows how white text looks on a background with the Yxy color 39.7292, 0.2339, 0.3620.

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

39.7292, 0.2339, 0.3620

Protanopia

38.9560, 0.3271, 0.3431

Deuteranopia

39.1527, 0.3182, 0.3116



Tritanopia

39.9878, 0.2246, 0.3058

Trichromacy



Original Color

39.7292, 0.2339, 0.3620



Protanomaly

36.5836, 0.2703, 0.3497



Deuteranomaly

36.5880, 0.2653, 0.3273



Tritanomaly

39.5497, 0.2263, 0.3240

Monochromacy



Original Color

39.7292, 0.2339, 0.3620



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.3398, 0.2583, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7292, 0.2339, 0.3620 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, 190, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 170)  
}
```

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, 190, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 170) }
```

Border

The CSS property to change the border of an element to Yxy 39.7292, 0.2339, 0.3620 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, 190, 170) }
```

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

```
.border{ border-color:rgb(0, 190, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7292, 0.2339, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 170) }
```

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

```
.background{ background-color: rgb(0, 190,  
170) }
```

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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