

Converting Colors

$Y_{xy}(34.0472, 0.1551, 0.3431)$

Have a look what the booklet for
Yxy(34.0472, 0.1551, 0.3431)
contains.

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Color

Yxy(39.7726, 0.2278, 0.3401)

Conversions

Conversions Part 1

Format	Color
Hex	00BDB6
RGB	0, 189, 182
RGB Percent	0%, 74%, 71%
CMY	1.0000, 0.2588, 0.2863
CMYK	1.00, 0.00, 0.04, 0.26
HSL	178°, 100%, 37%
HSV	178°, 100%, 74%
XYZ	26.6398, 39.7726, 50.5314
YIQ	131.6910, -110.3970, -42.2450

Conversions

Conversions Part 2

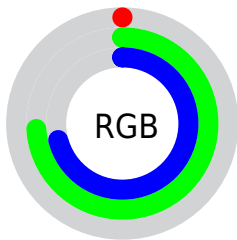
Format	Color
RYB	0, 96, 189
Decimal	48566
CIELab	69.31, -40.49, -7.76
CIElCh	69, 41.226, 190.855
Yxy	39.7726, 0.2278, 0.3401
Android (android.graphics.Color)	4278238646 (0xFF00BDB6)
YUV	131.6910, 24.8023, -115.4930
Hunter-Lab	63.0655, -34.9636, -3.3604

Details

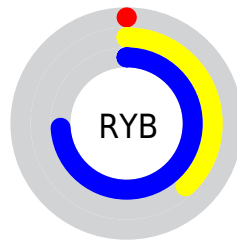
The Yxy color **39.7726, 0.2278, 0.3401** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.8348, 0.6363, 0.3279**, and the grayscale version is **22.8976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8513, 0.2431, 0.3385**, and **18.9129, 0.2284, 0.3420** is the 20% darker color. If you saturate the color by 10%, you get **39.7750, 0.2278, 0.3401**, and if you desaturate by 10%, it is **39.9415, 0.2290, 0.3389**.

Distribution



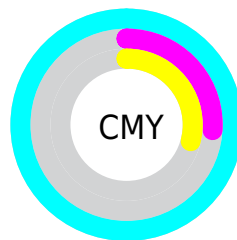
- Red (0%)
- Green (74%)
- Blue (71%)



- Red (0%)
- Yellow (38%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (26%)



- Cyan (100%)
- Magenta (26%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7726, 0.2278, 0.3401 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 39.7726, 0.2278, 0.3401 by changing the saturation by 10% instead.

 39.7726, 0.2278,
0.3401


 39.7726, 0.2278,
0.3401


345.1642, 0.2703,
0.3355

 27.3613, 0.2173,
0.3409


 74.8171, 0.2432,
0.3387

 17.8447, 0.2038,
0.3417


 98.2191, 0.2490,
0.3381

 10.8386, 0.1862,
0.3424


 126.0534, 0.2539,
0.3375

 5.9584, 0.1621,
0.3424

 158.7045, 0.2581,
0.3370

 2.8198, 0.1280,
0.3405

 196.5567, 0.2618,
0.3366

 1.0384, 0.0000,
0.3598

239.9945, 0.2650,

 0.0000, 0.0000,

0.3362

0.0000

289.4022, 0.2678,
0.3358

■ 39.7726, 0.2278,
0.3401

■ 39.7726, 0.2278,
0.3401

■ 39.7750, 0.2278,
0.3401

■ 39.9415, 0.2290,
0.3389

■ 40.2415, 0.2315,
0.3377

■ 40.7236, 0.2358,
0.3365

■ 41.4122, 0.2420,
0.3353

■ 42.3279, 0.2500,
0.3341

■ 43.4888, 0.2599,
0.3330

■ 44.9112, 0.2714,
0.3319

■ 46.6101, 0.2842,
0.3308

■ 48.5991, 0.2980,
0.3299

Harmonies

Analogous

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



39.7726, 0.2723, 0.4009



39.7726, 0.2278, 0.3401



39.7726, 0.2062, 0.2831

Triad

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



39.7726, 0.2278, 0.3401



39.7726, 0.2857, 0.2431



39.7726, 0.4251, 0.4013

Complementary

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



39.7726, 0.2278, 0.3401



10.8348, 0.6363, 0.3279

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.



39.7726, 0.4324, 0.3563



39.7726, 0.2278, 0.3401



39.7726, 0.3472, 0.2700

Square

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



39.7726, 0.2278, 0.3401



39.7726, 0.2370, 0.2342



39.7726, 0.4031, 0.3100



39.7726, 0.3866, 0.4337

Rectangle

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



39.7726, 0.2278, 0.3401



39.7726, 0.2058, 0.2562



39.7726, 0.4031, 0.3100



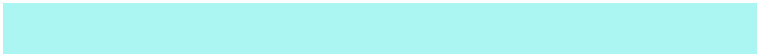
39.7726, 0.4315, 0.3870

Sweetspot

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



39.7750, 0.2278, 0.3401



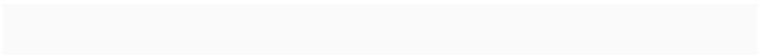
80.2979, 0.2708, 0.3319



36.4584, 0.3010, 0.5992



17.0262, 0.2658, 0.3324



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



39.7750, 0.2278, 0.3401



71.2246, 0.2279, 0.3403



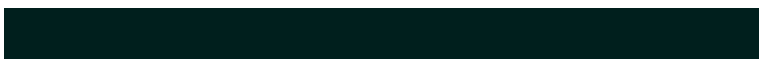
13.5655, 0.1818, 0.1745



10.8033, 0.2990, 0.3298



26.7629, 0.2278, 0.3399



1.0502, 0.2270, 0.3371

Inverse Universe

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



10.8348, 0.6363, 0.3279



19.3964, 0.6373, 0.3285



17.3247, 0.5556, 0.3971



9.5419, 0.3283, 0.3282



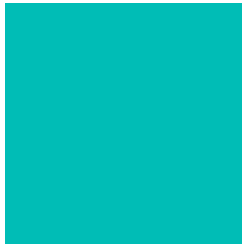
7.2921, 0.6354, 0.3274



0.2876, 0.6177, 0.3176

Previews

White Background



This preview shows how the Yxy color 39.7726, 0.2278, 0.3401 looks on a white background.

Color Contrast Check

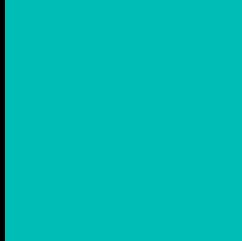
Large Text (above 18pt) WCAG AA × Fail

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 39.7726, 0.2278, 0.3401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

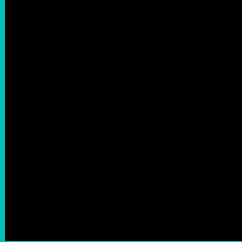
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7726, 0.2278, 0.3401

Background



This preview shows how black text looks on a background with the Yxy color 39.7726, 0.2278, 0.3401.

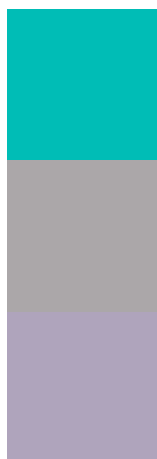


This preview shows how white text looks on a background with the Yxy color 39.7726, 0.2278, 0.3401.

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

39.7726, 0.2278, 0.3401

Protanopia

39.1599, 0.3147, 0.3262

Deuteranopia

39.2957, 0.3024, 0.2968



Tritanopia

39.7860, 0.2226, 0.3056

Trichromacy



Original Color

39.7726, 0.2278, 0.3401



Protanomaly

36.9671, 0.2617, 0.3304



Deuteranomaly

36.8118, 0.2549, 0.3090



Tritanomaly

39.6424, 0.2237, 0.3177

Monochromacy



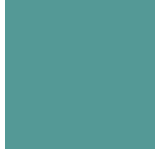
Original Color

39.7726, 0.2278, 0.3401



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.8693, 0.2557, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7726, 0.2278, 0.3401 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, 189, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 182)  
}
```

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, 189, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 182) }
```

Border

The CSS property to change the border of an element to Yxy 39.7726, 0.2278, 0.3401 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, 189, 182) }
```

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

```
.border{ border-color:rgb(0, 189, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7726, 0.2278, 0.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 182) }
```

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

```
.background{ background-color: rgb(0, 189,  
182) }
```

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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