

Converting Colors

$Y_{xy}(39.5599, 0.2258, 0.3287)$

Have a look what the booklet for
Yxy(39.5599, 0.2258, 0.3287)
contains.

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Color

Yxy(39.7074, 0.2258, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	10BCBC
RGB	16, 188, 188
RGB Percent	6%, 74%, 74%
CMY	0.9369, 0.2627, 0.2626
CMYK	0.91, 0.00, 0.00, 0.26
HSL	180°, 84%, 40%
HSV	180°, 91%, 74%
XYZ	27.2769, 39.7074, 53.8170
YIQ	136.5720, -102.5120, -36.4640

Conversions

Conversions Part 2

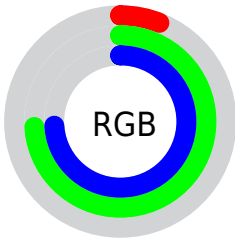
Format	Color
RYB	16, 102, 188
Decimal	1096892
CIELab	69.26, -37.70, -11.13
CIELCh	69, 39.307, 196.448
Yxy	39.7074, 0.2258, 0.3287
Android (android.graphics.Color)	4279286972 (0xFF10BCBC)
YUV	136.5720, 25.3540, -105.7416
Hunter-Lab	63.0138, -33.0064, -6.5270

Details

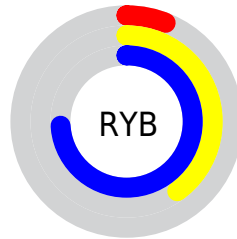
The Yxy color **39.7074, 0.2258, 0.3287** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.1066, 0.6246, 0.3299**, and the grayscale version is **24.7906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8397, 0.2417, 0.3300**, and **18.7995, 0.2241, 0.3266** is the 20% darker color. If you saturate the color by 10%, you get **39.5968, 0.2246, 0.3287**, and if you desaturate by 10%, it is **39.9547, 0.2283, 0.3287**.

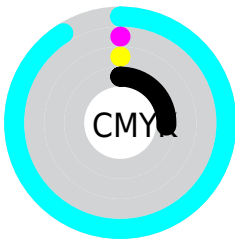
Distribution



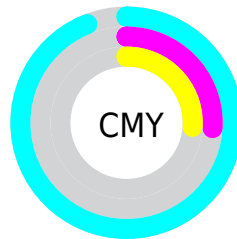
- Red (6%)
- Green (74%)
- Blue (74%)



- Red (6%)
- Yellow (40%)
- Blue (74%)



- Cyan (91%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)




- Cyan (94%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7074, 0.2258, 0.3287 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 39.7074, 0.2258, 0.3287 by changing the saturation by 10% instead.

 39.7074, 0.2258,
0.3287


 39.7074, 0.2258,
0.3287


344.8888, 0.2691,
0.3302

 27.3105, 0.2151,
0.3279


 74.7177, 0.2415,
0.3296


 17.8065, 0.2016,
0.3266


 98.1000, 0.2474,
0.3298

 10.8112, 0.1838,
0.3243


 125.9127, 0.2524,
0.3299

 5.9400, 0.1598,
0.3202

 158.5405, 0.2567,
0.3300

 2.8086, 0.1260,
0.3118

 196.3675, 0.2604,
0.3301

 1.0327, 0.0163,
0.3118

239.7783, 0.2637,

 0.0000, 0.0000,

0.3301

0.0000

289.1573, 0.2666,
0.3302

■ 39.7074, 0.2258,
0.3287

■ 39.7074, 0.2258,
0.3287

■ 39.5968, 0.2246,
0.3287

■ 39.9547, 0.2283,
0.3287

■ 40.3764, 0.2326,
0.3287

■ 40.9988, 0.2388,
0.3288

■ 41.8427, 0.2468,
0.3288

■ 42.9262, 0.2567,
0.3288

■ 44.2656, 0.2682,
0.3289

■ 45.8760, 0.2812,
0.3289

■ 47.7709, 0.2954,
0.3289

■ 49.9633, 0.3105,
0.3290

Harmonies

Analogous

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



39.7074, 0.2650, 0.3875



39.7074, 0.2258, 0.3287



39.7074, 0.2094, 0.2772

Triad

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



39.7074, 0.2258, 0.3287



39.7074, 0.2975, 0.2502



39.7074, 0.4153, 0.4057

Complementary

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



39.7074, 0.2258, 0.3287



11.1066, 0.6246, 0.3299

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.



39.7074, 0.4283, 0.3640



39.7074, 0.2258, 0.3287



39.7074, 0.3567, 0.2789

Square

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



39.7074, 0.2258, 0.3287



39.7074, 0.2475, 0.2381



39.7074, 0.4065, 0.3191



39.7074, 0.3745, 0.4321

Rectangle

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



39.7074, 0.2258, 0.3287



39.7074, 0.2118, 0.2541



39.7074, 0.4065, 0.3191



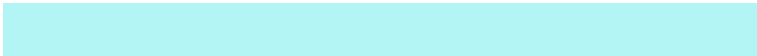
39.7074, 0.4233, 0.3928

Sweetspot

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



39.7089, 0.2258, 0.3287



81.3066, 0.2733, 0.3289



36.1259, 0.3003, 0.5929



17.2807, 0.2690, 0.3289



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.



39.7089, 0.2258, 0.3287



71.7417, 0.2246, 0.3287



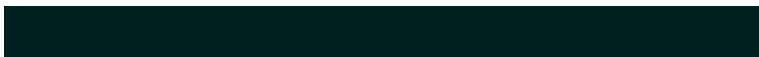
13.2580, 0.1832, 0.1728



10.8093, 0.2985, 0.3290



26.9517, 0.2246, 0.3287



1.0558, 0.2246, 0.3287

Inverse Universe

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



14.6989, 0.3208, 0.1571



25.9546, 0.3210, 0.1542



20.2473, 0.5235, 0.4141



9.6963, 0.3138, 0.3064



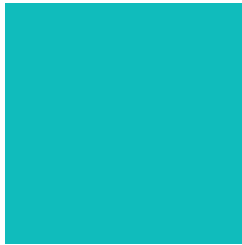
9.7505, 0.3210, 0.1542



0.3819, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 39.7074, 0.2258, 0.3287 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 39.7074, 0.2258, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

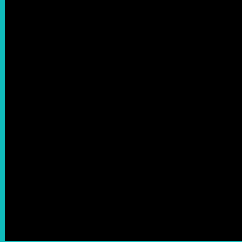
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

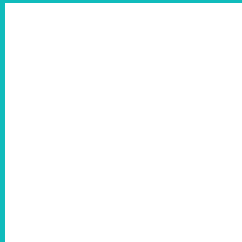
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7074, 0.2258, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 39.7074, 0.2258, 0.3287.

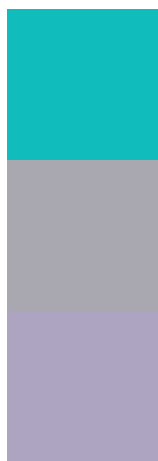


This preview shows how white text looks on a background with the Yxy color 39.7074, 0.2258, 0.3287.

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

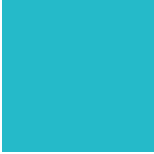
39.7074, 0.2258, 0.3287

Protanopia

39.1676, 0.3078, 0.3179

Deuteranopia

39.1718, 0.2957, 0.2902



Tritanopia

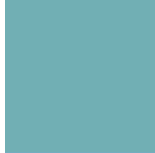
39.7282, 0.2220, 0.3056

Trichromacy



Original Color

39.7074, 0.2258, 0.3287



Protanomaly

37.4659, 0.2604, 0.3212



Deuteranomaly

37.2936, 0.2543, 0.3019



Tritanomaly

39.7874, 0.2233, 0.3147

Monochromacy



Original Color

39.7074, 0.2258, 0.3287



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.5044, 0.2585, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7074, 0.2258, 0.3287 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(16, 188, 188)` looks like.

```
.text, #text, p{  
    color:rgb(16, 188, 188)  
}
```

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(16, 188, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 188, 188) }
```

Border

The CSS property to change the border of an element to Yxy 39.7074, 0.2258, 0.3287 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(16, 188, 188) }
```

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

```
.border{ border-color:rgb(16, 188, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 188, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 188, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 188, 188);  
box-shadow:4px 4px 4px 4px rgb(16, 188,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7074, 0.2258, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 188, 188) }
```

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

```
.background{ background-color: rgb(16, 188,  
188) }
```

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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