

Converting Colors

$Yxy(31.8044, 0.1327, 0.3308)$

Have a look what the booklet for
Yxy(31.8044, 0.1327, 0.3308)
contains.

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Color

Yxy(39.0434, 0.2256, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	01BBB9
RGB	1, 187, 185
RGB Percent	0%, 73%, 73%
CMY	0.9977, 0.2667, 0.2746
CMYK	1.00, 0.00, 0.01, 0.27
HSL	179°, 99%, 37%
HSV	179°, 100%, 73%
XYZ	26.5307, 39.0434, 52.0265
YIQ	131.1580, -110.2140, -40.0540

Conversions

Conversions Part 2

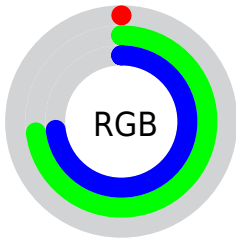
Format	Color
RYB	1, 95, 187
Decimal	113593
CIELab	68.78, -38.67, -10.18
CIElCh	69, 39.992, 194.747
Yxy	39.0434, 0.2256, 0.3320
Android (android.graphics.Color)	4278303673 (0xFF01BBB9)
YUV	131.1580, 26.5441, -114.1486
Hunter-Lab	62.4847, -33.5581, -5.6272

Details

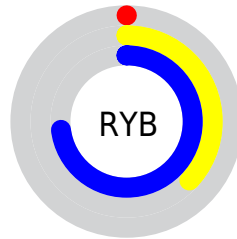
The Yxy color **39.0434, 0.2256, 0.3320** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.5825, 0.6384, 0.3294**, and the grayscale version is **22.6397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8189, 0.2414, 0.3324**, and **18.4410, 0.2253, 0.3310** is the 20% darker color. If you saturate the color by 10%, you get **39.0409, 0.2256, 0.3320**, and if you desaturate by 10%, it is **39.1909, 0.2270, 0.3317**.

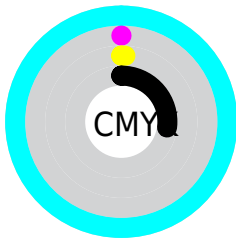
Distribution



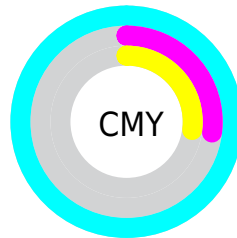
- Red (0%)
- Green (73%)
- Blue (73%)



- Red (0%)
- Yellow (37%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0434, 0.2256, 0.3320 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 39.0434, 0.2256, 0.3320 by changing the saturation by 10% instead.


 39.0434, 0.2256,
0.3320


 39.0434, 0.2256,
0.3320


342.0750, 0.2692,
0.3317


 26.7935, 0.2148,
0.3316


 73.7046, 0.2414,
0.3322


 17.4182, 0.2011,
0.3309


 96.8847, 0.2473,
0.3322

 10.5331, 0.1831,
0.3294


 124.4770, 0.2524,
0.3322

 5.7538, 0.1586,
0.3263

 156.8658, 0.2567,
0.3321

 2.6960, 0.1240,
0.3194

 194.4357, 0.2605,
0.3320

 0.9752, 0.0000,
0.3260

237.5709, 0.2637,

 0.0000, 0.0000,

0.3319

0.0000

286.6558, 0.2666,
0.3318

■ 39.0434, 0.2256,
0.3320

■ 39.0434, 0.2256,
0.3320

■ 39.0409, 0.2256,
0.3320

■ 39.1909, 0.2270,
0.3317

■ 39.4698, 0.2297,
0.3313

■ 39.9271, 0.2343,
0.3310

■ 40.5863, 0.2407,
0.3307

■ 41.4675, 0.2490,
0.3303

■ 42.5882, 0.2591,
0.3300

■ 43.9642, 0.2708,
0.3297

■ 45.6101, 0.2839,
0.3295

■ 47.5392, 0.2981,
0.3292

Harmonies

Analogous

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



39.0434, 0.2667, 0.3921



39.0434, 0.2256, 0.3320



39.0434, 0.2076, 0.2784

Triad

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



39.0434, 0.2256, 0.3320



39.0434, 0.2938, 0.2474



39.0434, 0.4192, 0.4050

Complementary

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



39.0434, 0.2256, 0.3320



10.5825, 0.6384, 0.3294

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.



39.0434, 0.4306, 0.3619



39.0434, 0.2256, 0.3320



39.0434, 0.3543, 0.2758

Square

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



39.0434, 0.2256, 0.3320



39.0434, 0.2438, 0.2362



39.0434, 0.4065, 0.3162



39.0434, 0.3786, 0.4336

Rectangle

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



39.0434, 0.2256, 0.3320



39.0434, 0.2092, 0.2540



39.0434, 0.4065, 0.3162



39.0434, 0.4267, 0.3915

Sweetspot

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



39.0449, 0.2256, 0.3320



78.5306, 0.2698, 0.3298



35.5641, 0.3004, 0.5995



17.0547, 0.2647, 0.3299



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.



39.0449, 0.2256, 0.3320



69.9227, 0.2256, 0.3321



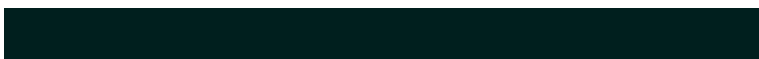
12.1209, 0.1789, 0.1638



10.8077, 0.2986, 0.3292



26.9015, 0.2256, 0.3320



1.0543, 0.2253, 0.3311

Inverse Universe

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



10.5825, 0.6384, 0.3294



18.9272, 0.6393, 0.3295



17.9929, 0.5451, 0.4051



9.5380, 0.3287, 0.3288



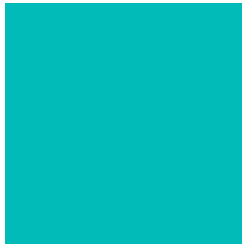
7.2830, 0.6387, 0.3292



0.2859, 0.6333, 0.3263

Previews

White Background



This preview shows how the Yxy color 39.0434, 0.2256, 0.3320 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 39.0434, 0.2256, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

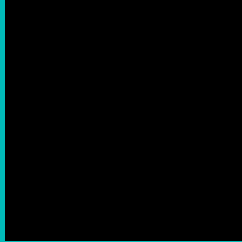
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

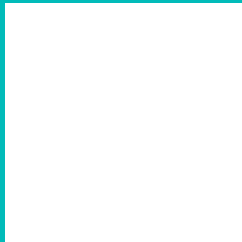
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.0434, 0.2256, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 39.0434, 0.2256, 0.3320.

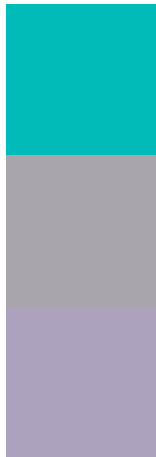


This preview shows how white text looks on a background with the Yxy color 39.0434, 0.2256, 0.3320.

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

39.0499, 0.2256, 0.3320

Protanopia

38.5758, 0.3094, 0.3206

Deuteranopia

38.3290, 0.2981, 0.2912



Tritanopia

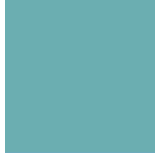
39.2431, 0.2219, 0.3055

Trichromacy



Original Color

39.0499, 0.2256, 0.3320



Protanomaly

36.5722, 0.2582, 0.3241



Deuteranomaly

36.0717, 0.2525, 0.3029



Tritanomaly

39.2401, 0.2226, 0.3146

Monochromacy



Original Color

39.0499, 0.2256, 0.3320



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.2524, 0.2544, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0434, 0.2256, 0.3320 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(1, 187, 185)` looks like.

```
.text, #text, p{  
    color:rgb(1, 187, 185)  
}
```

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(1, 187, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 187, 185) }
```

Border

The CSS property to change the border of an element to Yxy 39.0434, 0.2256, 0.3320 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(1, 187, 185) }
```

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

```
.border{ border-color:rgb(1, 187, 185) }
```

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

Here you see how a box with a 4 pixel rgb(1, 187, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 187, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 187, 185);  
box-shadow:4px 4px 4px 4px rgb(1, 187,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0434, 0.2256, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 187, 185) }
```

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

```
.background{ background-color: rgb(1, 187,  
185) }
```

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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