

Converting Colors

$Yxy(40.2957, 0.2342, 0.3629)$

Have a look what the booklet for
Yxy(40.2957, 0.2342, 0.3629)
contains.

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Color

Yxy(40.2083, 0.2339, 0.3618)

Conversions

Conversions Part 1

Format	Color
Hex	01BFAB
RGB	1, 191, 171
RGB Percent	0%, 75%, 67%
CMY	0.9966, 0.2510, 0.3293
CMYK	1.00, 0.00, 0.10, 0.25
HSL	174°, 99%, 38%
HSV	174°, 100%, 75%
XYZ	25.9943, 40.2083, 44.9315
YIQ	131.9100, -106.8200, -46.5000

Conversions

Conversions Part 2

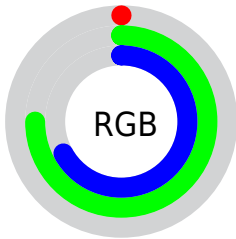
Format	Color
R _Y B	1, 101, 191
Decimal	114603
CIE Lab	69.62, -44.49, -1.28
CIE LCh	70, 44.509, 181.652
Yxy	40.2083, 0.2339, 0.3618
Android (android.graphics.Color)	4278304683 (0xFF01BFAB)
YUV	131.9100, 19.2714, -114.8081
Hunter-Lab	63.4100, -37.7934, 2.3749

Details

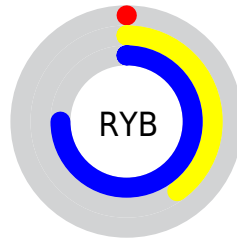
The Yxy color **40.2083, 0.2339, 0.3618** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.1489, 0.6271, 0.3232**, and the grayscale version is **22.9836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3925, 0.2487, 0.3560**, and **19.2232, 0.2360, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **40.2009, 0.2339, 0.3620**, and if you desaturate by 10%, it is **40.4297, 0.2345, 0.3582**.

Distribution



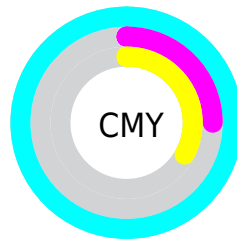
- Red (0%)
- Green (75%)
- Blue (67%)



- Red (0%)
- Yellow (40%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (25%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2083, 0.2339, 0.3618 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 40.2083, 0.2339, 0.3618 by changing the saturation by 10% instead.


 40.2083, 0.2339,
0.3618


 40.2083, 0.2339,
0.3618


347.0007, 0.2737,
0.3454


 27.7010, 0.2239,
0.3659


 75.4806, 0.2484,
0.3559


 18.1004, 0.2110,
0.3710


 99.0144, 0.2539,
0.3536


 11.0221, 0.1940,
0.3779


 126.9924, 0.2585,
0.3517

 6.0817, 0.1704,
0.3871

 159.7992, 0.2624,
0.3501

 2.8948, 0.1362,
0.4002

 197.8190, 0.2658,
0.3487

 1.0771, 0.0000,
0.4574

241.4362, 0.2688,

 0.0000, 0.0000,

0.3474

0.0000

291.0354, 0.2714,
0.3464

■ 40.2083, 0.2339,
0.3618

■ 40.2083, 0.2339,
0.3618

■ 40.2009, 0.2339,
0.3620

■ 40.4297, 0.2345,
0.3582

■ 40.7922, 0.2366,
0.3546

■ 41.3434, 0.2405,
0.3510

■ 42.1083, 0.2463,
0.3474

■ 43.1078, 0.2540,
0.3439

■ 44.3606, 0.2634,
0.3405

■ 45.8831, 0.2743,
0.3373

■ 47.6907, 0.2865,
0.3343

■ 49.7975, 0.2996,
0.3315

Harmonies

Analogous

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



40.2083, 0.2872, 0.4231



40.2083, 0.2339, 0.3618



40.2083, 0.2033, 0.2960

Triad

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



40.2083, 0.2339, 0.3618



40.2083, 0.2655, 0.2324



40.2083, 0.4396, 0.3914

Complementary

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



40.2083, 0.2339, 0.3618



11.1489, 0.6271, 0.3232

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.



40.2083, 0.4358, 0.3420



40.2083, 0.2339, 0.3618



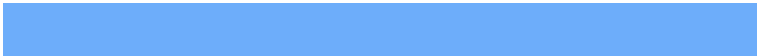
40.2083, 0.3287, 0.2556

Square

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



40.2083, 0.2339, 0.3618



40.2083, 0.2203, 0.2293



40.2083, 0.3936, 0.2943



40.2083, 0.4069, 0.4326

Rectangle

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



40.2083, 0.2339, 0.3618



40.2083, 0.1975, 0.2624



40.2083, 0.3936, 0.2943



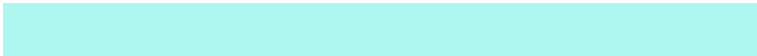
40.2083, 0.4429, 0.3753

Sweetspot

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



40.2098, 0.2339, 0.3618



81.9014, 0.2733, 0.3376



37.4475, 0.3029, 0.5973



17.7202, 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.



40.2098, 0.2339, 0.3618



71.9757, 0.2340, 0.3625



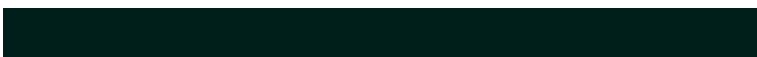
16.7507, 0.1886, 0.1986



10.7918, 0.2998, 0.3314



26.4256, 0.2337, 0.3615



1.0401, 0.2314, 0.3529

Inverse Universe

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



11.1489, 0.6271, 0.3232



19.9124, 0.6302, 0.3245



15.9422, 0.5736, 0.3823



9.5522, 0.3272, 0.3266



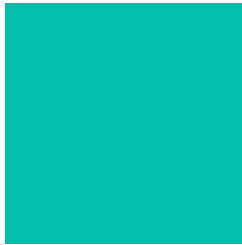
7.3185, 0.6260, 0.3222



0.2922, 0.5815, 0.2977

Previews

White Background



This preview shows how the Yxy color 40.2083, 0.2339, 0.3618 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 40.2083, 0.2339, 0.3618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

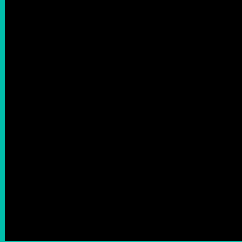
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

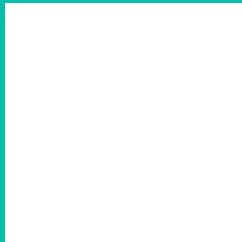
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2083, 0.2339, 0.3618

Background



This preview shows how black text looks on a background with the Yxy color 40.2083, 0.2339, 0.3618.

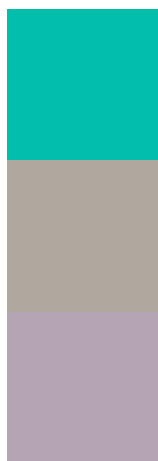


This preview shows how white text looks on a background with the Yxy color 40.2083, 0.2339, 0.3618.

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

40.2083, 0.2339, 0.3618

Protanopia

39.4726, 0.3270, 0.3430

Deuteranopia

39.5490, 0.3173, 0.3116



Tritanopia

40.4579, 0.2245, 0.3059

Trichromacy



Original Color

40.2083, 0.2339, 0.3618



Protanomaly

37.0745, 0.2705, 0.3496



Deuteranomaly

37.0121, 0.2648, 0.3273



Tritanomaly

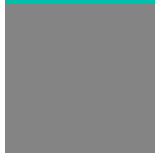
40.0193, 0.2263, 0.3240

Monochromacy



Original Color

40.2083, 0.2339, 0.3618



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.7426, 0.2585, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2083, 0.2339, 0.3618 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, 191, 171)` looks like.

```
.text, #text, p{  
    color:rgb(1, 191, 171)  
}
```

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, 191, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 191, 171) }
```

Border

The CSS property to change the border of an element to Yxy 40.2083, 0.2339, 0.3618 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, 191, 171) }
```

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

```
.border{ border-color:rgb(1, 191, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 191, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 191, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 191, 171);  
box-shadow:4px 4px 4px 4px rgb(1, 191,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2083, 0.2339, 0.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 191, 171) }
```

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

```
.background{ background-color: rgb(1, 191,  
171) }
```

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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