

Converting Colors

$Y_{xy}(39.6129, 0.2218, 0.3452)$

Have a look what the booklet for
Yxy(39.6129, 0.2218, 0.3452)
contains.

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Color

Yxy(40.1222, 0.2292, 0.3450)

Conversions

Conversions Part 1

Format	Color
Hex	00BEB4
RGB	0, 190, 180
RGB Percent	0%, 75%, 71%
CMY	0.9984, 0.2549, 0.2941
CMYK	1.00, 0.00, 0.05, 0.25
HSL	177°, 100%, 37%
HSV	177°, 100%, 75%
XYZ	26.6551, 40.1222, 49.5189
YIQ	132.0500, -110.0300, -43.3900

Conversions

Conversions Part 2

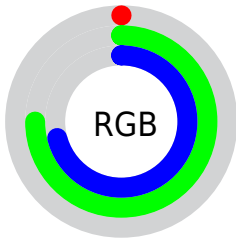
Format	Color
RYB	0, 98, 190
Decimal	48820
CIELab	69.56, -41.50, -6.29
CIELCh	70, 41.974, 188.622
Yxy	40.1222, 0.2292, 0.3450
Android (android.graphics.Color)	4278238900 (0xFF00BEB4)
YUV	132.0500, 23.6394, -115.8078
Hunter-Lab	63.3421, -35.7337, -2.0117

Details

The Yxy color **40.1222, 0.2292, 0.3450** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.9786, 0.6344, 0.3270**, and the grayscale version is **23.0824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3444, 0.2442, 0.3422**, and **19.1406, 0.2302, 0.3488** is the 20% darker color. If you saturate the color by 10%, you get **40.1202, 0.2292, 0.3450**, and if you desaturate by 10%, it is **40.3047, 0.2302, 0.3433**.

Distribution



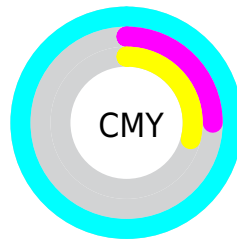
- Red (0%)
- Green (75%)
- Blue (71%)



- Red (0%)
- Yellow (38%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1222, 0.2292, 0.3450 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 40.1222, 0.2292, 0.3450 by changing the saturation by 10% instead.


 40.1222, 0.2292,
0.3450


 40.1222, 0.2292,
0.3450


346.6384, 0.2711,
0.3378

 27.6338, 0.2188,
0.3465

 75.3496, 0.2444,
0.3426


 18.0498, 0.2056,
0.3483


 98.8573, 0.2501,
0.3416

 10.9858, 0.1881,
0.3503


 126.8071, 0.2549,
0.3407

 6.0573, 0.1643,
0.3523

 159.5831, 0.2591,
0.3400

 2.8799, 0.1303,
0.3536

 197.5698, 0.2627,
0.3393

 1.0694, 0.0000,
0.3809

241.1517, 0.2658,

 0.0000, 0.0000,

0.3388

0.0000

290.7131, 0.2686,
0.3382

■ 40.1222, 0.2292,
0.3450

■ 40.1222, 0.2292,
0.3450

■ 40.1202, 0.2292,
0.3450

■ 40.3047, 0.2302,
0.3433

■ 40.6233, 0.2327,
0.3416

■ 41.1269, 0.2369,
0.3398

■ 41.8402, 0.2430,
0.3381

■ 42.7839, 0.2511,
0.3364

■ 43.9764, 0.2608,
0.3347

■ 45.4342, 0.2722,
0.3331

■ 47.1723, 0.2848,
0.3316

■ 49.2047, 0.2986,
0.3302

Harmonies

Analogous

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



40.1222, 0.2757, 0.4060



40.1222, 0.2292, 0.3450



40.1222, 0.2055, 0.2860

Triad

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



40.1222, 0.2292, 0.3450



40.1222, 0.2810, 0.2406



40.1222, 0.4284, 0.3990

Complementary

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



40.1222, 0.2292, 0.3450



10.9786, 0.6344, 0.3270

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.



40.1222, 0.4332, 0.3530



40.1222, 0.2292, 0.3450



40.1222, 0.3429, 0.2667

Square

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



40.1222, 0.2292, 0.3450



40.1222, 0.2331, 0.2331



40.1222, 0.4010, 0.3064



40.1222, 0.3913, 0.4335

Rectangle

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



40.1222, 0.2292, 0.3450



40.1222, 0.2038, 0.2576



40.1222, 0.4010, 0.3064



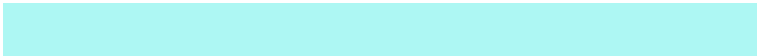
40.1222, 0.4341, 0.3843

Sweetspot

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



40.1237, 0.2292, 0.3450



82.1341, 0.2713, 0.3332



36.9126, 0.3014, 0.5987



17.7782, 0.2663, 0.3339



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.



40.1237, 0.2292, 0.3450



72.6940, 0.2293, 0.3453



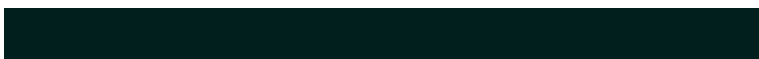
14.4125, 0.1836, 0.1806



10.8006, 0.2992, 0.3302



26.6822, 0.2291, 0.3448



1.0478, 0.2280, 0.3407

Inverse Universe

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



10.9786, 0.6344, 0.3270



19.8670, 0.6361, 0.3278



17.0680, 0.5600, 0.3934



9.5443, 0.3280, 0.3278



7.2975, 0.6334, 0.3263



0.2887, 0.6088, 0.3127

Previews

White Background



This preview shows how the Yxy color 40.1222, 0.2292, 0.3450 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 40.1222, 0.2292, 0.3450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

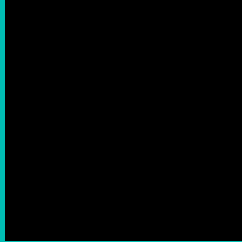
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

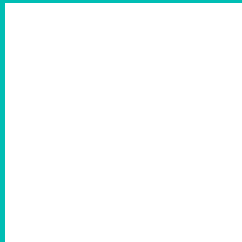
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1222, 0.2292, 0.3450

Background



This preview shows how black text looks on a background with the Yxy color 40.1222, 0.2292, 0.3450.

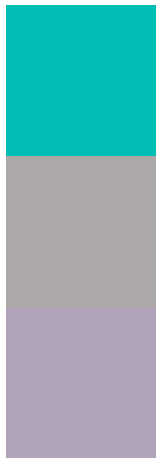


This preview shows how white text looks on a background with the Yxy color 40.1222, 0.2292, 0.3450.

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

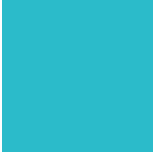
40.1222, 0.2292, 0.3450

Protanopia

39.5659, 0.3173, 0.3304

Deuteranopia

39.4432, 0.3059, 0.2996



Tritanopia

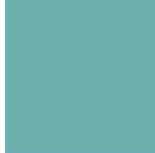
40.3185, 0.2232, 0.3058

Trichromacy



Original Color

40.1222, 0.2292, 0.3450



Protanomaly

37.3442, 0.2639, 0.3351



Deuteranomaly

36.8585, 0.2574, 0.3120



Tritanomaly

40.1084, 0.2245, 0.3193

Monochromacy



Original Color

40.1222, 0.2292, 0.3450



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.8372, 0.2564, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1222, 0.2292, 0.3450 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 180) }
```

Border

The CSS property to change the border of an element to Yxy 40.1222, 0.2292, 0.3450 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, 180) }
```

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

```
.border{ border-color:rgb(0, 190, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1222, 0.2292, 0.3450 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, 180) }
```

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

```
.background{ background-color: rgb(0, 190,  
180) }
```

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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