

Converting Colors

$Y_{xy}(39.6499, 0.2074, 0.3157)$

Have a look what the booklet for
Yxy(39.6499, 0.2074, 0.3157)
contains.

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Color

Yxy(40.9041, 0.2212, 0.3163)

Conversions

Conversions Part 1

Format	Color
Hex	00BEC6
RGB	0, 190, 198
RGB Percent	0%, 75%, 78%
CMY	1.0000, 0.2549, 0.2235
CMYK	1.00, 0.04, 0.00, 0.22
HSL	182°, 100%, 39%
HSV	182°, 100%, 78%
XYZ	28.6057, 40.9041, 59.8108
YIQ	134.1020, -115.8080, -37.7920

Conversions

Conversions Part 2

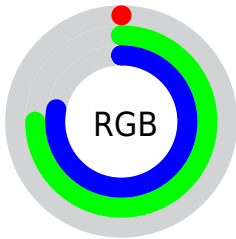
Format	Color
RYB	0, 97, 198
Decimal	48838
CIELab	70.11, -36.08, -15.33
CIELCh	70, 39.206, 203.022
Yxy	40.9041, 0.2212, 0.3163
Android (android.graphics.Color)	4278238918 (0xFF00BEC6)
YUV	134.1020, 31.5017, -117.6075
Hunter-Lab	63.9563, -32.0859, -10.6775

Details

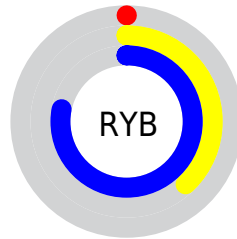
The Yxy color **40.9041, 0.2212, 0.3163** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **12.1790, 0.6374, 0.3321**, and the grayscale version is **23.7950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6251, 0.2372, 0.3194**, and **19.6219, 0.2200, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **40.9054, 0.2212, 0.3163**, and if you desaturate by 10%, it is **41.3995, 0.2230, 0.3176**.

Distribution



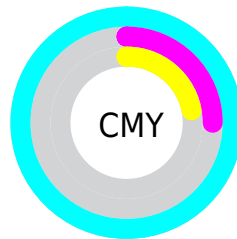
- Red (0%)
- Green (75%)
- Blue (78%)



- Red (0%)
- Yellow (38%)
- Blue (78%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9041, 0.2212, 0.3163 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 40.9041, 0.2212, 0.3163 by changing the saturation by 10% instead.

 40.9041, 0.2212,
0.3163


 40.9041, 0.2212,
0.3163


349.9196, 0.2663,
0.3243

 28.2442, 0.2103,
0.3138


 76.5383, 0.2374,
0.3196

 18.5098, 0.1964,
0.3103


 100.2813, 0.2435,
0.3207


 11.3166, 0.1786,
0.3050


 128.4875, 0.2488,
0.3216

 6.2802, 0.1547,
0.2968

 161.5413, 0.2533,
0.3224

 3.0162, 0.1218,
0.2826

 199.8270, 0.2572,
0.3230

 1.1402, 0.0424,
0.2643

243.7290, 0.2606,

 0.0120, 0.0000,

0.3235

0.0109

293.6318, 0.2636,
0.3239

■ 0.0000, 0.0000,
0.0000

■ 40.9041, 0.2212,
0.3163

■ 40.9041, 0.2212,
0.3163

■ 40.9054, 0.2212,
0.3163

■ 41.3995, 0.2230,
0.3176

■ 42.0452, 0.2262,
0.3189

■ 42.8952, 0.2312,
0.3203

■ 43.9770, 0.2381,
0.3217

■ 45.3137, 0.2469,
0.3230

■ 46.9257, 0.2574,
0.3243

■ 48.8312, 0.2695,
0.3256

■ 51.0470, 0.2830,
0.3268

■ 53.5885, 0.2975,
0.3279

Harmonies

Analogous

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



40.9041, 0.2554, 0.3747



40.9041, 0.2212, 0.3163



40.9041, 0.2102, 0.2692

Triad

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



40.9041, 0.2212, 0.3163



40.9041, 0.3102, 0.2560



40.9041, 0.4072, 0.4124

Complementary

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



40.9041, 0.2212, 0.3163



12.1790, 0.6374, 0.3321

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.



40.9041, 0.4269, 0.3734



40.9041, 0.2212, 0.3163



40.9041, 0.3685, 0.2874

Square

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



40.9041, 0.2212, 0.3163



40.9041, 0.2577, 0.2401



40.9041, 0.4129, 0.3289



40.9041, 0.3626, 0.4330

Rectangle

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



40.9041, 0.2212, 0.3163



40.9041, 0.2160, 0.2497



40.9041, 0.4129, 0.3289



40.9041, 0.4172, 0.4007

Sweetspot

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



40.9056, 0.2212, 0.3163



86.3096, 0.2690, 0.3255



40.4011, 0.2995, 0.5981



18.1529, 0.2636, 0.3250



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



40.9056, 0.2212, 0.3163



72.3469, 0.2211, 0.3161



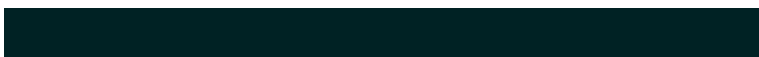
11.8013, 0.1739, 0.1460



11.9913, 0.2984, 0.3280



26.6342, 0.2213, 0.3165



1.2845, 0.2220, 0.3192

Inverse Universe

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



15.7233, 0.3313, 0.1599



27.8346, 0.3315, 0.1600



22.2315, 0.5316, 0.4161



10.8089, 0.3144, 0.3071



10.2287, 0.3312, 0.1598



0.4867, 0.3289, 0.1585

Previews

White Background



This preview shows how the Yxy color 40.9041, 0.2212, 0.3163 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 40.9041, 0.2212, 0.3163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

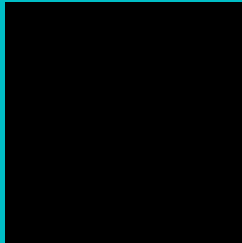
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

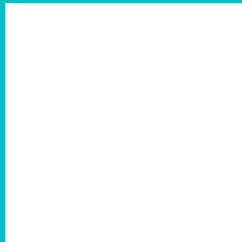
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9041, 0.2212, 0.3163

Background



This preview shows how black text looks on a background with the Yxy color 40.9041, 0.2212, 0.3163.



This preview shows how white text looks on a background with the Yxy color 40.9041, 0.2212, 0.3163.

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

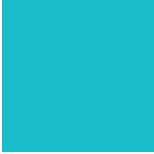
40.9041, 0.2212, 0.3163

Protanopia

40.3137, 0.2995, 0.3072

Deuteranopia

40.1303, 0.2862, 0.2802



Tritanopia

40.9615, 0.2202, 0.3058

Trichromacy



Original Color

40.9041, 0.2212, 0.3163



Protanomaly

38.3501, 0.2516, 0.3092



Deuteranomaly

38.0651, 0.2446, 0.2905



Tritanomaly

40.7696, 0.2201, 0.3087

Monochromacy



Original Color

40.9041, 0.2212, 0.3163



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.4768, 0.2518, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9041, 0.2212, 0.3163 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 198) }
```

Border

The CSS property to change the border of an element to Yxy 40.9041, 0.2212, 0.3163 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, 198) }
```

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

```
.border{ border-color:rgb(0, 190, 198) }
```

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, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9041, 0.2212, 0.3163 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, 198) }
```

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

```
.background{ background-color: rgb(0, 190,  
198) }
```

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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