

Converting Colors

$Y_{xy}(41.0355, 0.2296, 0.3465)$

Have a look what the booklet for
Yxy(41.0355, 0.2296, 0.3465)
contains.

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Color

Yxy(41.0355, 0.2296, 0.3465)

Conversions

Conversions Part 1

Format	Color
Hex	00C0B5
RGB	0, 192, 181
RGB Percent	0%, 75%, 71%
CMY	0.9993, 0.2471, 0.2902
CMYK	1.00, 0.00, 0.06, 0.25
HSL	177°, 100%, 38%
HSV	177°, 100%, 75%
XYZ	27.1912, 41.0355, 50.2019
YIQ	133.3380, -110.9010, -44.1250

Conversions

Conversions Part 2

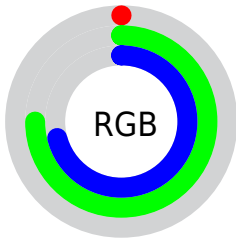
Format	Color
RYB	0, 99, 192
Decimal	49333
CIELab	70.20, -42.10, -5.89
CIELCh	70, 42.507, 187.959
Yxy	41.0355, 0.2296, 0.3465
Android (android.graphics.Color)	4278239413 (0xFF00C0B5)
YUV	133.3380, 23.4974, -116.9374
Hunter-Lab	64.0590, -36.3350, -1.6233

Details

The Yxy color **41.0355, 0.2296, 0.3465** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.2350, 0.6342, 0.3268**, and the grayscale version is **23.5485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6906, 0.2446, 0.3433**, and **19.7355, 0.2308, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **41.0355, 0.2296, 0.3465**, and if you desaturate by 10%, it is **41.2236, 0.2306, 0.3446**.

Distribution



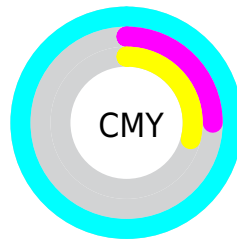
- Red (0%)
- Green (75%)
- Blue (71%)



- Red (0%)
- Yellow (39%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (25%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0355, 0.2296, 0.3465 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 41.0355, 0.2296, 0.3465 by changing the saturation by 10% instead.


 41.0355, 0.2296,
0.3465

 41.0355, 0.2296,
0.3465


350.4690, 0.2711,
0.3385


 28.3468, 0.2193,
0.3482


 76.7378, 0.2446,
0.3438


 18.5873, 0.2062,
0.3503


 100.5202, 0.2503,
0.3427


 11.3724, 0.1891,
0.3527


 128.7693, 0.2551,
0.3418

 6.3179, 0.1656,
0.3553

 161.8694, 0.2592,
0.3409

 3.0393, 0.1323,
0.3575

 200.2051, 0.2628,
0.3402

 1.1523, 0.0152,
0.3829

244.1607, 0.2659,

 0.0222, 0.0000,

0.3396

0.0485

294.1205, 0.2687,
0.3390

■ 0.0000, 0.0000,
0.0000

■ 41.0355, 0.2296,
0.3465

■ 41.2236, 0.2306,
0.3446

■ 41.5502, 0.2329,
0.3427

■ 42.0660, 0.2371,
0.3408

■ 42.7965, 0.2432,
0.3389

■ 43.7629, 0.2512,
0.3371

■ 44.9842, 0.2609,
0.3352

■ 46.4772, 0.2722,
0.3335

■ 48.2574, 0.2848,
0.3319

■ 50.3392, 0.2984,
0.3304

Harmonies

Analogous

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



41.0355, 0.2768, 0.4076



41.0355, 0.2296, 0.3465



41.0355, 0.2053, 0.2868

Triad

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



41.0355, 0.2296, 0.3465



41.0355, 0.2795, 0.2398



41.0355, 0.4295, 0.3983

Complementary

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



41.0355, 0.2296, 0.3465



11.2350, 0.6342, 0.3268

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.



41.0355, 0.4335, 0.3520



41.0355, 0.2296, 0.3465



41.0355, 0.3416, 0.2656

Square

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



41.0355, 0.2296, 0.3465



41.0355, 0.2319, 0.2327



41.0355, 0.4003, 0.3052



41.0355, 0.3927, 0.4335

Rectangle

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



41.0355, 0.2296, 0.3465



41.0355, 0.2032, 0.2580



41.0355, 0.4003, 0.3052



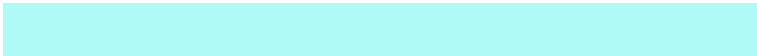
41.0355, 0.4350, 0.3835

Sweetspot

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



41.0370, 0.2296, 0.3465



84.0442, 0.2715, 0.3336



37.7855, 0.3014, 0.5988



17.7730, 0.2665, 0.3343



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.



41.0370, 0.2296, 0.3465



74.3400, 0.2297, 0.3468



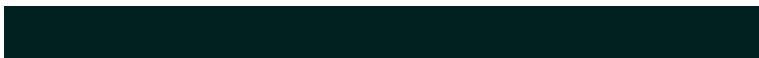
14.7181, 0.1835, 0.1803



11.4182, 0.2992, 0.3303



27.6161, 0.2295, 0.3463



1.1963, 0.2284, 0.3421

Inverse Universe

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



11.2350, 0.6342, 0.3268



20.3381, 0.6358, 0.3276



17.4397, 0.5604, 0.3932



10.0870, 0.3280, 0.3277



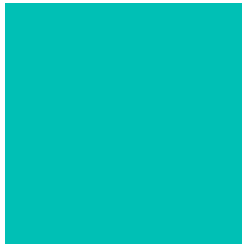
7.5609, 0.6330, 0.3261



0.3300, 0.6079, 0.3122

Previews

White Background



This preview shows how the Yxy color 41.0355, 0.2296, 0.3465 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 41.0355, 0.2296, 0.3465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

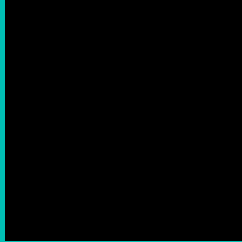
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

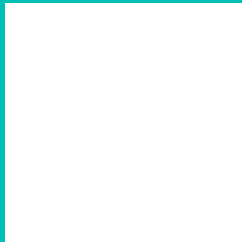
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.0355, 0.2296, 0.3465

Background



This preview shows how black text looks on a background with the Yxy color 41.0355, 0.2296, 0.3465.

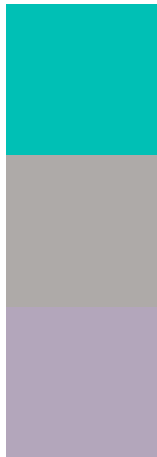


This preview shows how white text looks on a background with the Yxy color 41.0355, 0.2296, 0.3465.

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

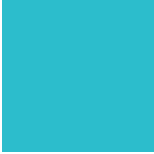
41.0355, 0.2296, 0.3465

Protanopia

40.5753, 0.3181, 0.3318

Deuteranopia

40.4440, 0.3068, 0.3012



Tritanopia

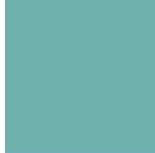
41.2903, 0.2233, 0.3060

Trichromacy



Original Color

41.0355, 0.2296, 0.3465



Protanomaly

38.2374, 0.2643, 0.3366



Deuteranomaly

37.7401, 0.2579, 0.3137



Tritanomaly

41.0593, 0.2245, 0.3194

Monochromacy



Original Color

41.0355, 0.2296, 0.3465



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.2445, 0.2567, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0355, 0.2296, 0.3465 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, 192, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 181)  
}
```

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, 192, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 181) }
```

Border

The CSS property to change the border of an element to Yxy 41.0355, 0.2296, 0.3465 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, 192, 181) }
```

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

```
.border{ border-color:rgb(0, 192, 181) }
```

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

Here you see how a box with a 4 pixel rgb(0, 192, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0355, 0.2296, 0.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 181) }
```

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

```
.background{ background-color: rgb(0, 192,  
181) }
```

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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