

Converting Colors

$Y_{xy}(38.2933, 0.1883, 0.3364)$

Have a look what the booklet for
Yxy(38.2933, 0.1883, 0.3364)
contains.

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Color

Yxy(41.7708, 0.2269, 0.3367)

Conversions

Conversions Part 1

Format	Color
Hex	01C1BC
RGB	1, 193, 188
RGB Percent	0%, 76%, 74%
CMY	0.9980, 0.2431, 0.2629
CMYK	1.00, 0.00, 0.03, 0.24
HSL	178°, 99%, 38%
HSV	178°, 100%, 76%
XYZ	28.1491, 41.7708, 54.1395
YIQ	135.0220, -112.8270, -42.2590

Conversions

Conversions Part 2

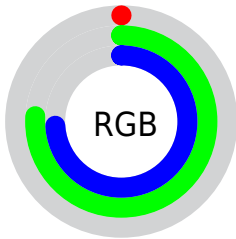
Format	Color
RYB	1, 98, 193
Decimal	115132
CIELab	70.71, -40.48, -8.94
CIELCh	71, 41.455, 192.456
Yxy	41.7708, 0.2269, 0.3367
Android (android.graphics.Color)	4278305212 (0xFF01C1BC)
YUV	135.0220, 26.1182, -117.5373
Hunter-Lab	64.6303, -35.3592, -4.4248

Details

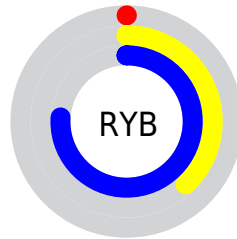
The Yxy color **41.7708, 0.2269, 0.3367** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.3608, 0.6370, 0.3285**, and the grayscale version is **24.1124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7864, 0.2423, 0.3360**, and **20.2145, 0.2270, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **41.7684, 0.2269, 0.3367**, and if you desaturate by 10%, it is **41.9376, 0.2281, 0.3359**.

Distribution



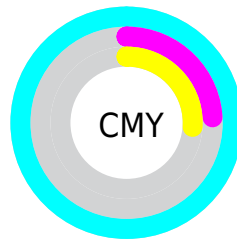
- Red (0%)
- Green (76%)
- Blue (74%)



- Red (0%)
- Yellow (38%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)




- Cyan (100%)
- Magenta (24%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7708, 0.2269, 0.3367 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 41.7708, 0.2269, 0.3367 by changing the saturation by 10% instead.


 41.7708, 0.2269,
0.3367

 41.7708, 0.2269,
0.3367


353.5319, 0.2695,
0.3340

 28.9219, 0.2165,
0.3370


 77.8526, 0.2422,
0.3360

 19.0217, 0.2033,
0.3372


 101.8543, 0.2480,
0.3356


 11.6860, 0.1861,
0.3369


 130.3423, 0.2529,
0.3353

 6.5302, 0.1628,
0.3358

 163.7012, 0.2572,
0.3350

 3.1701, 0.1301,
0.3322

 202.3151, 0.2609,
0.3347

 1.2212, 0.0384,
0.3369

246.5686, 0.2641,

 0.0789, 0.0000,

0.3344

0.0999

296.8461, 0.2669,
0.3342

■ 0.0000, 0.0000,
0.0000

■ 41.7708, 0.2269,
0.3367

■ 41.7708, 0.2269,
0.3367

■ 41.7684, 0.2269,
0.3367

■ 41.9376, 0.2281,
0.3359

■ 42.2463, 0.2307,
0.3350

■ 42.7468, 0.2351,
0.3342

■ 43.4645, 0.2415,
0.3334

■ 44.4212, 0.2497,
0.3325

■ 45.6359, 0.2596,
0.3317

■ 47.1256, 0.2712,
0.3310

■ 48.9061, 0.2842,
0.3303

■ 50.9918, 0.2983,
0.3296

Harmonies

Analogous

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



41.7708, 0.2700, 0.3972



41.7708, 0.2269, 0.3367



41.7708, 0.2068, 0.2811

Triad

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



41.7708, 0.2269, 0.3367



41.7708, 0.2891, 0.2449



41.7708, 0.4226, 0.4028

Complementary

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



41.7708, 0.2269, 0.3367



11.3608, 0.6370, 0.3285

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.



41.7708, 0.4316, 0.3587



41.7708, 0.2269, 0.3367



41.7708, 0.3501, 0.2725

Square

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



41.7708, 0.2269, 0.3367



41.7708, 0.2398, 0.2350



41.7708, 0.4045, 0.3126



41.7708, 0.3833, 0.4336

Rectangle

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



41.7708, 0.2269, 0.3367



41.7708, 0.2072, 0.2553



41.7708, 0.4045, 0.3126



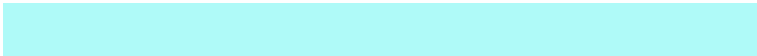
41.7708, 0.4295, 0.3889

Sweetspot

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



41.7724, 0.2269, 0.3367



84.1887, 0.2703, 0.3310



38.1853, 0.3007, 0.5993



17.8082, 0.2653, 0.3313



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.



41.7724, 0.2269, 0.3367



74.8028, 0.2269, 0.3369



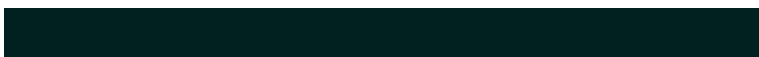
13.5892, 0.1803, 0.1690



11.4238, 0.2988, 0.3296



27.7833, 0.2268, 0.3366



1.2019, 0.2263, 0.3347

Inverse Universe

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



11.3608, 0.6370, 0.3285



20.3198, 0.6382, 0.3289



18.7091, 0.5503, 0.4009



10.0821, 0.3285, 0.3284



7.5499, 0.6368, 0.3282



0.3277, 0.6249, 0.3216

Previews

White Background



This preview shows how the Yxy color 41.7708, 0.2269, 0.3367 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 41.7708, 0.2269, 0.3367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

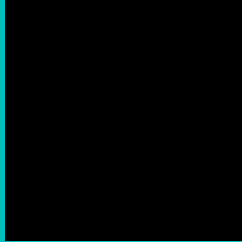
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

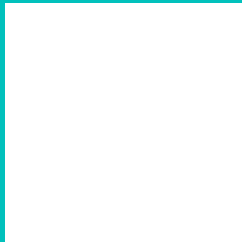
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7708, 0.2269, 0.3367

Background



This preview shows how black text looks on a background with the Yxy color 41.7708, 0.2269, 0.3367.

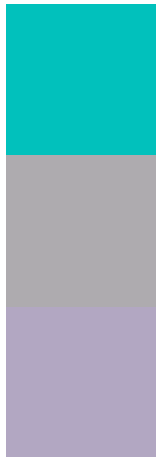


This preview shows how white text looks on a background with the Yxy color 41.7708, 0.2269, 0.3367.

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

41.7772, 0.2269, 0.3367

Protanopia

41.2196, 0.3121, 0.3236

Deuteranopia

40.9975, 0.3001, 0.2936



Tritanopia

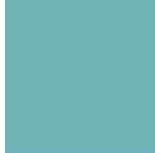
41.7145, 0.2219, 0.3046

Trichromacy



Original Color

41.7772, 0.2269, 0.3367



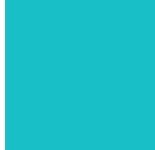
Protanomaly

38.9150, 0.2600, 0.3273



Deuteranomaly

38.3671, 0.2532, 0.3050



Tritanomaly

41.5918, 0.2232, 0.3164

Monochromacy



Original Color

41.7772, 0.2269, 0.3367



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.0885, 0.2551, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7708, 0.2269, 0.3367 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, 193, 188)` looks like.

```
.text, #text, p{  
    color:rgb(1, 193, 188)  
}
```

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, 193, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 193, 188) }
```

Border

The CSS property to change the border of an element to Yxy 41.7708, 0.2269, 0.3367 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, 193, 188) }
```

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

```
.border{ border-color:rgb(1, 193, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 193, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 193, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 193, 188);  
box-shadow:4px 4px 4px 4px rgb(1, 193,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7708, 0.2269, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 193, 188) }
```

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

```
.background{ background-color: rgb(1, 193,  
188) }
```

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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