

Converting Colors

$Y_{xy}(33.3320, 0.1145, 0.3354)$

Have a look what the booklet for
Yxy(33.3320, 0.1145, 0.3354)
contains.

Yxy(42.3013, 0.2264, 0.3350)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.3013, 0.2264, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	00C2BE
RGB	0, 194, 190
RGB Percent	0%, 76%, 75%
CMY	0.9996, 0.2392, 0.2548
CMYK	1.00, 0.00, 0.02, 0.24
HSL	179°, 100%, 38%
HSV	179°, 100%, 76%
XYZ	28.5881, 42.3013, 55.3831
YIQ	135.5380, -114.3400, -42.3720

Conversions

Conversions Part 2

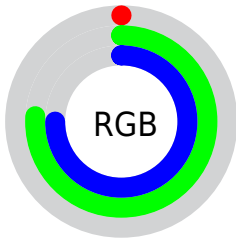
Format	Color
RYB	0, 98, 194
Decimal	49854
CIELab	71.08, -40.33, -9.52
CIELCh	71, 41.438, 193.275
Yxy	42.3013, 0.2264, 0.3350
Android (android.graphics.Color)	4278239934 (0xFF00C2BE)
YUV	135.5380, 26.8498, -118.8668
Hunter-Lab	65.0394, -35.3593, -4.9597

Details

The Yxy color **42.3013, 0.2264, 0.3350** 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 **11.4805, 0.6379, 0.3288**, and the grayscale version is **24.3814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5317, 0.2418, 0.3347**, and **20.5623, 0.2264, 0.3351** is the 20% darker color. If you saturate the color by 10%, you get **42.3021, 0.2264, 0.3350**, and if you desaturate by 10%, it is **42.4632, 0.2276, 0.3344**.

Distribution



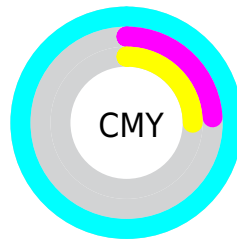
- Red (0%)
- Green (76%)
- Blue (75%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3013, 0.2264, 0.3350 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 42.3013, 0.2264, 0.3350 by changing the saturation by 10% instead.


 42.3013, 0.2264,
0.3350

 42.3013, 0.2264,
0.3350


355.7304, 0.2691,
0.3332

 29.3373, 0.2160,
0.3351


 78.6554, 0.2417,
0.3346


 19.3361, 0.2028,
0.3349


 102.8143, 0.2476,
0.3344


 11.9134, 0.1857,
0.3343


 131.4737, 0.2525,
0.3342

 6.6847, 0.1626,
0.3325

 165.0178, 0.2567,
0.3339

 3.2657, 0.1303,
0.3281

 203.8312, 0.2604,
0.3337

 1.2720, 0.0468,
0.3287

248.2981, 0.2637,

 0.1194, 0.0000,

0.3335

0.1305

298.8031, 0.2665,
0.3333

■ 0.0000, 0.0000,
0.0000

■ 42.3013, 0.2264,
0.3350

■ 42.3013, 0.2264,
0.3350

■ 42.3021, 0.2264,
0.3350

■ 42.4632, 0.2276,
0.3344

■ 42.7666, 0.2302,
0.3337

■ 43.2633, 0.2347,
0.3330

■ 43.9794, 0.2409,
0.3324

■ 44.9368, 0.2491,
0.3317

■ 46.1550, 0.2591,
0.3311

■ 47.6512, 0.2708,
0.3305

■ 49.4414, 0.2838,
0.3300

■ 51.5402, 0.2979,
0.3295

Harmonies

Analogous

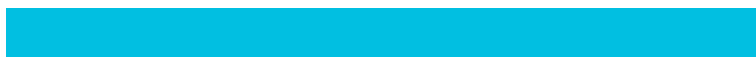
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.3013, 0.2688, 0.3954



42.3013, 0.2264, 0.3350



42.3013, 0.2070, 0.2801

Triad

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



42.3013, 0.2264, 0.3350



42.3013, 0.2907, 0.2458



42.3013, 0.4214, 0.4036

Complementary

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



42.3013, 0.2264, 0.3350



11.4805, 0.6379, 0.3288

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.



42.3013, 0.4313, 0.3598



42.3013, 0.2264, 0.3350



42.3013, 0.3516, 0.2736

Square

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



42.3013, 0.2264, 0.3350



42.3013, 0.2412, 0.2354



42.3013, 0.4052, 0.3139



42.3013, 0.3816, 0.4337

Rectangle

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



42.3013, 0.2264, 0.3350



42.3013, 0.2079, 0.2548



42.3013, 0.4052, 0.3139



42.3013, 0.4285, 0.3899

Sweetspot

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



42.3029, 0.2264, 0.3350



86.1759, 0.2701, 0.3306



38.6263, 0.3007, 0.5994



18.6050, 0.2650, 0.3308



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.



42.3029, 0.2264, 0.3350



76.6356, 0.2264, 0.3351



13.6986, 0.1802, 0.1686



11.4248, 0.2987, 0.3294



27.8139, 0.2264, 0.3349



1.2029, 0.2260, 0.3335

Inverse Universe

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



11.4805, 0.6379, 0.3288



20.7909, 0.6386, 0.3292



18.8813, 0.5509, 0.4007



10.0812, 0.3286, 0.3286



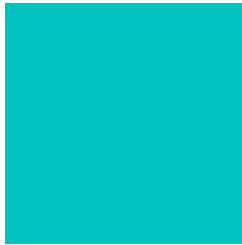
7.5480, 0.6375, 0.3286



0.3273, 0.6280, 0.3233

Previews

White Background



This preview shows how the Yxy color 42.3013, 0.2264, 0.3350 looks on a white background.

Color Contrast Check

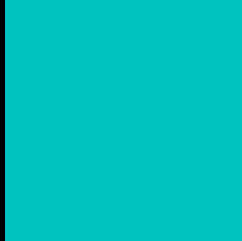
Large Text (above 18pt) WCAG AA × Fail

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 42.3013, 0.2264, 0.3350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

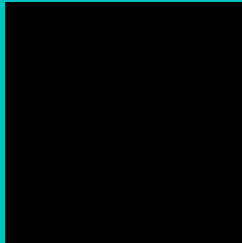
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

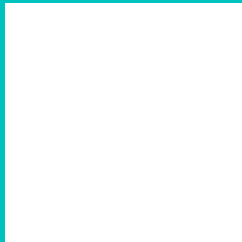
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3013, 0.2264, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 42.3013, 0.2264, 0.3350.

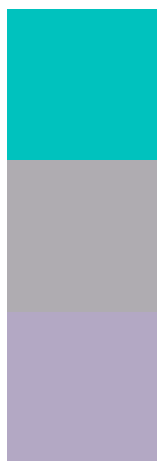


This preview shows how white text looks on a background with the Yxy color 42.3013, 0.2264, 0.3350.

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

42.3013, 0.2264, 0.3350

Protanopia

41.7933, 0.3112, 0.3222

Deuteranopia

41.5745, 0.2994, 0.2925



Tritanopia

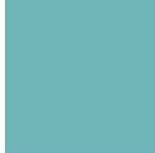
42.1979, 0.2219, 0.3047

Trichromacy



Original Color

42.3013, 0.2264, 0.3350



Protanomaly

39.3994, 0.2590, 0.3258



Deuteranomaly

38.9167, 0.2528, 0.3037



Tritanomaly

42.1230, 0.2228, 0.3150

Monochromacy



Original Color

42.3013, 0.2264, 0.3350



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.5405, 0.2547, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3013, 0.2264, 0.3350 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, 194, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 190)  
}
```

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, 194, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 190) }
```

Border

The CSS property to change the border of an element to Yxy 42.3013, 0.2264, 0.3350 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, 194, 190) }
```

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

```
.border{ border-color:rgb(0, 194, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3013, 0.2264, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 190) }
```

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

```
.background{ background-color: rgb(0, 194,  
190) }
```

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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