

Converting Colors

$Yxy(43.6457, 0.2316, 0.3380)$

Have a look what the booklet for
Yxy(43.6457, 0.2316, 0.3380)
contains.

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Color

Yxy(43.6487, 0.2316, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	28C4BE
RGB	40, 196, 190
RGB Percent	16%, 77%, 75%
CMY	0.8436, 0.2314, 0.2548
CMYK	0.80, 0.00, 0.03, 0.23
HSL	178°, 66%, 46%
HSV	178°, 80%, 77%
XYZ	29.9084, 43.6487, 55.5811
YIQ	148.6720, -91.0500, -34.9380

Conversions

Conversions Part 2

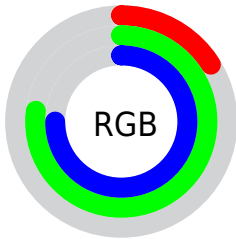
Format	Color
RYB	40, 120, 196
Decimal	2671806
CIELab	71.99, -39.19, -8.13
CIELCh	72, 40.029, 191.715
Yxy	43.6487, 0.2316, 0.3380
Android (android.graphics.Color)	4280861886 (0xFF28C4BE)
YUV	148.6720, 20.3747, -95.3053
Hunter-Lab	66.0672, -34.8111, -3.6326

Details

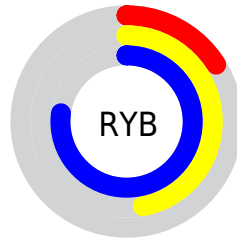
The Yxy color **43.6487, 0.2316, 0.3380** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **13.4430, 0.5806, 0.3251**, and the grayscale version is **29.8398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5492, 0.2461, 0.3370**, and **20.8559, 0.2270, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **43.3205, 0.2291, 0.3392**, and if you desaturate by 10%, it is **44.1792, 0.2359, 0.3367**.

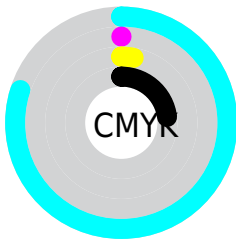
Distribution



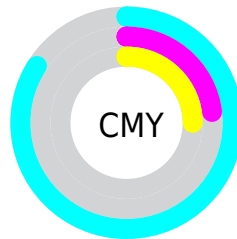
- Red (16%)
- Green (77%)
- Blue (75%)



- Red (16%)
- Yellow (47%)
- Blue (77%)



- Cyan (80%)
- Magenta (0%)
- Yellow (3%)
- Black (23%)





- Cyan (84%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6487, 0.2316, 0.3380 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 43.6487, 0.2316, 0.3380 by changing the saturation by 10% instead.


 43.6487, 0.2316,
0.3380

 43.6487, 0.2316,
0.3380


361.2728, 0.2716,
0.3345


 30.3944, 0.2218,
0.3386


 80.6889, 0.2460,
0.3370

 20.1382, 0.2095,
0.3391


 105.2435, 0.2514,
0.3365

 12.4955, 0.1934,
0.3394

 134.3338, 0.2561,
0.3361

 7.0821, 0.1717,
0.3392

 168.3441, 0.2601,
0.3357

 3.5135, 0.1411,
0.3373

 207.6587, 0.2635,
0.3353

 1.4053, 0.0735,
0.3385

252.6621, 0.2666,

 0.2206, 0.0000,

0.3350

0.2144

303.7387, 0.2692,
0.3347

■ 0.0000, 0.0000,
0.0000

■ 43.6487, 0.2316,
0.3380

■ 43.6487, 0.2316,
0.3380

■ 43.3205, 0.2291,
0.3392

■ 44.1792, 0.2359,
0.3367

■ 43.1406, 0.2280,
0.3405

■ 44.9336, 0.2422,
0.3355

■ 43.1350, 0.2279,
0.3405

■ 45.9360, 0.2503,
0.3343

■ 47.2061, 0.2602,
0.3331

■ 48.7618, 0.2717,
0.3319

■ 50.6192, 0.2846,
0.3309

■ 52.7935, 0.2985,
0.3299

■ 55.2986, 0.3132,
0.3290

■ 58.1476, 0.3285,
0.3282

Harmonies

Analogous

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



43.6487, 0.2734, 0.3948



43.6487, 0.2316, 0.3380



43.6487, 0.2116, 0.2847

Triad

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



43.6487, 0.2316, 0.3380



43.6487, 0.2889, 0.2480



43.6487, 0.4181, 0.3990

Complementary

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



43.6487, 0.2316, 0.3380



13.4430, 0.5806, 0.3251

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.



43.6487, 0.4257, 0.3567



43.6487, 0.2316, 0.3380



43.6487, 0.3470, 0.2741

Square

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



43.6487, 0.2316, 0.3380



43.6487, 0.2422, 0.2391



43.6487, 0.3990, 0.3125



43.6487, 0.3815, 0.4283

Rectangle

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



43.6487, 0.2316, 0.3380



43.6487, 0.2115, 0.2596



43.6487, 0.3990, 0.3125



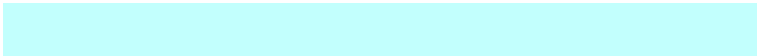
43.6487, 0.4244, 0.3857

Sweetspot

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



43.6503, 0.2316, 0.3380



90.0330, 0.2784, 0.3314



40.2558, 0.3037, 0.5732



19.0169, 0.2738, 0.3318



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.



43.6503, 0.2316, 0.3380



78.2171, 0.2282, 0.3402



19.2936, 0.1974, 0.2085



11.4216, 0.2989, 0.3299



27.7174, 0.2279, 0.3403



1.1997, 0.2271, 0.3376

Inverse Universe

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



13.4430, 0.5806, 0.3251



21.5304, 0.6321, 0.3281



23.0716, 0.5064, 0.4066



10.0840, 0.3283, 0.3282



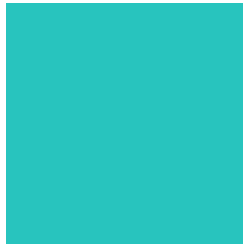
7.5542, 0.6353, 0.3273



0.3286, 0.6181, 0.3179

Previews

White Background



This preview shows how the Yxy color 43.6487, 0.2316, 0.3380 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 43.6487, 0.2316, 0.3380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

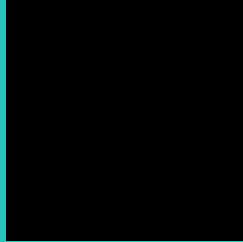
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

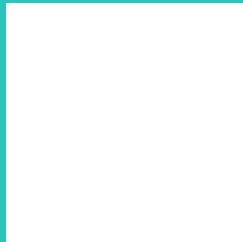
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.6487, 0.2316, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 43.6487, 0.2316, 0.3380.

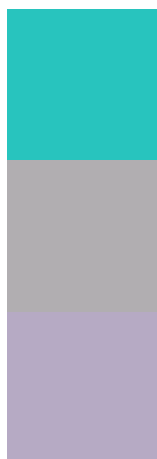


This preview shows how white text looks on a background with the Yxy color 43.6487, 0.2316, 0.3380.

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

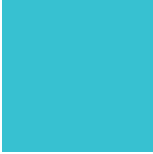
43.6487, 0.2316, 0.3380

Protanopia

42.7935, 0.3129, 0.3250

Deuteranopia

42.6801, 0.3020, 0.2954



Tritanopia

43.5556, 0.2253, 0.3051

Trichromacy



Original Color

43.6487, 0.2316, 0.3380



Protanomaly

41.3453, 0.2698, 0.3289



Deuteranomaly

40.8811, 0.2636, 0.3073



Tritanomaly

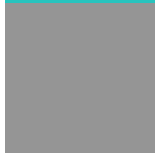
43.5260, 0.2275, 0.3167

Monochromacy



Original Color

43.6487, 0.2316, 0.3380



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

33.2040, 0.2665, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6487, 0.2316, 0.3380 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(40, 196, 190)` looks like.

```
.text, #text, p{  
    color:rgb(40, 196, 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(40, 196, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 196, 190) }
```

Border

The CSS property to change the border of an element to Yxy 43.6487, 0.2316, 0.3380 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(40, 196, 190) }
```

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

```
.border{ border-color:rgb(40, 196, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 196, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 196, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 196, 190);  
box-shadow:4px 4px 4px 4px rgb(40, 196,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6487, 0.2316, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 196, 190) }
```

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

```
.background{ background-color: rgb(40, 196,  
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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