

Converting Colors

$Yxy(42.7335, 0.2359, 0.3359)$

Have a look what the booklet for
Yxy(42.7335, 0.2359, 0.3359)
contains.

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Color

Yxy(42.7006, 0.2360, 0.3365)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 3BC1BC |
| RGB | 59, 193, 188 |
| RGB Percent | 23%, 76%, 74% |
| CMY | 0.7690, 0.2431, 0.2627 |
| CMYK | 0.69, 0.00, 0.03, 0.24 |
| HSL | 178°, 53%, 49% |
| HSV | 178°, 69%, 76% |
| XYZ | 29.9475, 42.7006, 54.2482 |
| YIQ | 152.3640, -78.2590, -29.9630 |

Conversions

Conversions Part 2

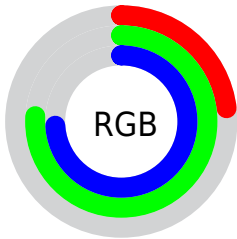
| Format | Color |
|-------------------------------------|---|
| RYB | 59, 127, 193 |
| Decimal | 3916220 |
| CIELab | 71.35, -36.28, -7.95 |
| CIELCh | 71, 37.140, 192.354 |
| Yxy | 42.7006, 0.2360, 0.3365 |
| Android (android.graphics.Color) | 4282106300 (0xFF3BC1BC) |
| YUV | 152.3640, 17.5685, -81.8802 |
| Hunter-Lab | 65.3457, -32.5495, -3.4789 |

Details

The Yxy color **42.7006, 0.2360, 0.3365** 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 **14.8262, 0.5355, 0.3244**, and the grayscale version is **31.5031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2628, 0.2499, 0.3358**, and **20.2145, 0.2270, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **42.1876, 0.2316, 0.3377**, and if you desaturate by 10%, it is **43.4349, 0.2423, 0.3353**.

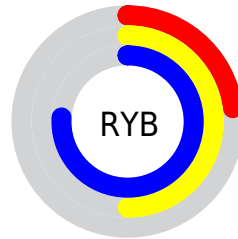
Distribution



Red (23%)

Green (76%)

Blue (74%)



Red (23%)

Yellow (50%)

Blue (76%)

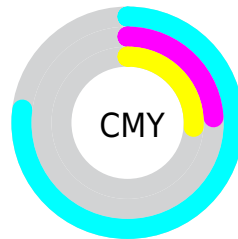


Cyan (69%)

Magenta (0%)

Yellow (3%)

Black (24%)



Cyan (77%)

Magenta (24%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7006, 0.2360, 0.3365 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 42.7006, 0.2360, 0.3365 by changing the saturation by 10% instead.


 42.7006, 0.2360,
0.3365


 42.7006, 0.2360,
0.3365


357.3790, 0.2741,
0.3336

 29.6503, 0.2267,
0.3369


 79.2589, 0.2497,
0.3357

 19.5733, 0.2148,
0.3373


 103.5356, 0.2549,
0.3353


 12.0852, 0.1992,
0.3375


 132.3232, 0.2593,
0.3349

 6.8018, 0.1781,
0.3370

 166.0062, 0.2631,
0.3346

 3.3384, 0.1480,
0.3350

 204.9688, 0.2664,
0.3343

 1.3109, 0.0792,
0.3364

249.5956, 0.2693,

 0.1496, 0.0000,

0.3341

0.1723

300.2709, 0.2718,
0.3338

■ 0.0000, 0.0000,
0.0000

■ 42.7006, 0.2360,
0.3365

■ 42.7006, 0.2360,
0.3365

■ 42.1876, 0.2316,
0.3377

■ 43.4349, 0.2423,
0.3353

■ 41.8655, 0.2290,
0.3389

■ 44.4070, 0.2505,
0.3341

■ 41.6894, 0.2279,
0.3401

■ 45.6378, 0.2604,
0.3329

■ 41.6813, 0.2278,
0.3402

■ 47.1441, 0.2719,
0.3318

■ 48.9417, 0.2848,
0.3308

■ 51.0449, 0.2988,
0.3298

■ 53.4674, 0.3135,
0.3290

■ 56.2216, 0.3287,
0.3282

■ 59.3197, 0.3442,
0.3275

Harmonies

Analogous

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



42.7006, 0.2751, 0.3892



42.7006, 0.2360, 0.3365



42.7006, 0.2174, 0.2870

Triad

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



42.7006, 0.2360, 0.3365



42.7006, 0.2917, 0.2530



42.7006, 0.4111, 0.3959

Complementary

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



42.7006, 0.2360, 0.3365



14.8262, 0.5355, 0.3244

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.



42.7006, 0.4185, 0.3565



42.7006, 0.2360, 0.3365



42.7006, 0.3461, 0.2781

Square

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



42.7006, 0.2360, 0.3365



42.7006, 0.2473, 0.2444



42.7006, 0.3941, 0.3147



42.7006, 0.3765, 0.4223

Rectangle

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



42.7006, 0.2360, 0.3365



42.7006, 0.2176, 0.2635



42.7006, 0.3941, 0.3147



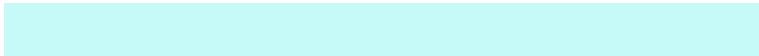
42.7006, 0.4170, 0.3836

Sweetspot

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



42.7022, 0.2360, 0.3365



87.0103, 0.2824, 0.3310



39.6034, 0.3054, 0.5478



18.4689, 0.2787, 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.



42.7022, 0.2360, 0.3365



75.2329, 0.2302, 0.3383



21.4608, 0.2085, 0.2264



11.4218, 0.2989, 0.3298



27.7230, 0.2278, 0.3400



1.1999, 0.2270, 0.3373

Inverse Universe

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



14.8262, 0.5355, 0.3244



22.2280, 0.5982, 0.3258



24.9076, 0.4766, 0.4037



10.0838, 0.3283, 0.3282



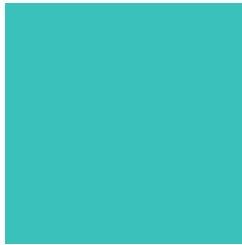
7.5539, 0.6354, 0.3274



0.3285, 0.6187, 0.3182

Previews

White Background



This preview shows how the Yxy color 42.7006, 0.2360, 0.3365 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 42.7006, 0.2360, 0.3365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

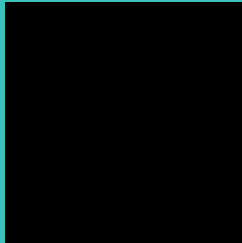
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

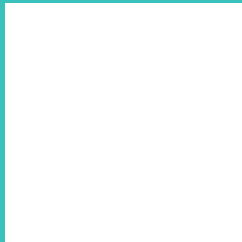
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.7006, 0.2360, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 42.7006, 0.2360, 0.3365.

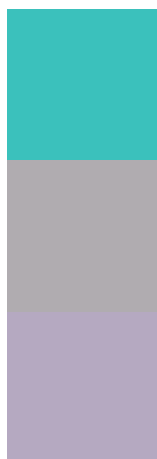


This preview shows how white text looks on a background with the Yxy color 42.7006, 0.2360, 0.3365.

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

42.7006, 0.2360, 0.3365

Protanopia

41.8697, 0.3130, 0.3236

Deuteranopia

42.0499, 0.3035, 0.2977



Tritanopia

42.5484, 0.2295, 0.3051

Trichromacy



Original Color

42.7006, 0.2360, 0.3365



Protanomaly

40.9243, 0.2751, 0.3289



Deuteranomaly

40.9207, 0.2703, 0.3103



Tritanomaly

42.5089, 0.2318, 0.3167

Monochromacy



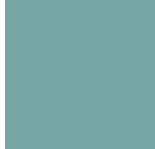
Original Color

42.7006, 0.2360, 0.3365



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.2056, 0.2726, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7006, 0.2360, 0.3365 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(59, 193, 188)` looks like.

```
.text, #text, p{  
    color:rgb(59, 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(59, 193, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 193, 188) }
```

Border

The CSS property to change the border of an element to Yxy 42.7006, 0.2360, 0.3365 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(59, 193, 188) }
```

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

```
.border{ border-color:rgb(59, 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(59, 193, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 193, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 193, 188);  
box-shadow:4px 4px 4px 4px rgb(59, 193,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7006, 0.2360, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 193, 188) }
```

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

```
.background{ background-color: rgb(59, 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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