

Converting Colors

$Yxy(42.3133, 0.2346, 0.3291)$

Have a look what the booklet for
Yxy(42.3133, 0.2346, 0.3291)
contains.

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Color

Yxy(42.4530, 0.2348, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	3DC0BF
RGB	61, 192, 191
RGB Percent	24%, 75%, 75%
CMY	0.7608, 0.2470, 0.2510
CMYK	0.68, 0.00, 0.01, 0.25
HSL	180°, 52%, 50%
HSV	180°, 68%, 75%
XYZ	30.1785, 42.4530, 55.8971
YIQ	152.7170, -77.7550, -28.0830

Conversions

Conversions Part 2

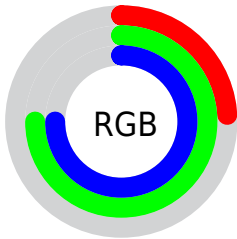
Format	Color
RYB	61, 127, 192
Decimal	4047039
CIELab	71.18, -34.68, -9.83
CIELCh	71, 36.045, 195.823
Yxy	42.4530, 0.2348, 0.3303
Android (android.graphics.Color)	4282237119 (0xFF3DC0BF)
YUV	152.7170, 18.8735, -80.4358
Hunter-Lab	65.1560, -31.3465, -5.2555

Details

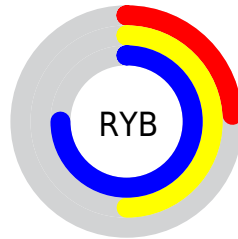
The Yxy color **42.4530, 0.2348, 0.3303** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **14.8928, 0.5357, 0.3286**, and the grayscale version is **31.6692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9024, 0.2487, 0.3311**, and **20.0119, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **41.9440, 0.2300, 0.3305**, and if you desaturate by 10%, it is **43.1832, 0.2415, 0.3301**.

Distribution



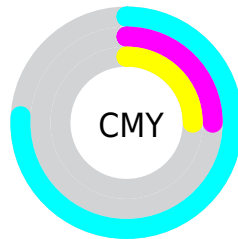
- Red (24%)
- Green (75%)
- Blue (75%)



- Red (24%)
- Yellow (50%)
- Blue (75%)



- Cyan (68%)
- Magenta (0%)
- Yellow (1%)
- Black (25%)





- Cyan (76%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4530, 0.2348, 0.3303 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 42.4530, 0.2348, 0.3303 by changing the saturation by 10% instead.

 42.4530, 0.2348,
0.3303


 42.4530, 0.2348,
0.3303

356.3574, 0.2734,
0.3307


 29.4562, 0.2254,
0.3299


 78.8848, 0.2487,
0.3307


 19.4262, 0.2134,
0.3291


 103.0885, 0.2540,
0.3308


 11.9786, 0.1977,
0.3278


 131.7966, 0.2584,
0.3308

 6.7291, 0.1764,
0.3251

 165.3936, 0.2623,
0.3308

 3.2933, 0.1462,
0.3197

 204.2637, 0.2656,
0.3308

 1.2867, 0.0806,
0.3141

248.7915, 0.2685,

 0.1309, 0.0000,

0.3307

0.1363

299.3612, 0.2711,
0.3307

■ 0.0000, 0.0000,
0.0000

■ 42.4530, 0.2348,
0.3303

■ 42.4530, 0.2348,
0.3303

■ 41.9440, 0.2300,
0.3305

■ 43.1832, 0.2415,
0.3301

■ 41.6270, 0.2270,
0.3308

■ 44.1508, 0.2501,
0.3299

■ 41.4650, 0.2255,
0.3310

■ 45.3758, 0.2605,
0.3296

■ 41.4419, 0.2253,
0.3310

■ 46.8749, 0.2725,
0.3295

■ 48.6634, 0.2858,
0.3293

■ 50.7553, 0.3002,
0.3291

■ 53.1640, 0.3155,
0.3290

■ 55.9018, 0.3312,
0.3289

■ 58.9805, 0.3471,
0.3288

Harmonies

Analogous

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



42.4530, 0.2710, 0.3821



42.4530, 0.2348, 0.3303



42.4530, 0.2191, 0.2837

Triad

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



42.4530, 0.2348, 0.3303



42.4530, 0.2982, 0.2570



42.4530, 0.4058, 0.3982

Complementary

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



42.4530, 0.2348, 0.3303



14.8928, 0.5357, 0.3286

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.



42.4530, 0.4163, 0.3607



42.4530, 0.2348, 0.3303



42.4530, 0.3513, 0.2830

Square

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



42.4530, 0.2348, 0.3303



42.4530, 0.2532, 0.2465



42.4530, 0.3960, 0.3197



42.4530, 0.3698, 0.4213

Rectangle

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



42.4530, 0.2348, 0.3303



42.4530, 0.2210, 0.2622



42.4530, 0.3960, 0.3197



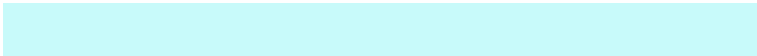
42.4530, 0.4126, 0.3867

Sweetspot

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



42.4546, 0.2348, 0.3303



87.4495, 0.2829, 0.3293



39.1004, 0.3035, 0.5456



18.5590, 0.2791, 0.3294



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.



42.4546, 0.2348, 0.3303



75.6651, 0.2283, 0.3307



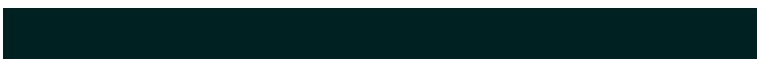
20.4166, 0.2082, 0.2208



11.4271, 0.2985, 0.3291



27.8857, 0.2253, 0.3310



1.2053, 0.2251, 0.3305

Inverse Universe

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



14.8928, 0.5357, 0.3286



22.3825, 0.6003, 0.3290



26.0397, 0.4680, 0.4085



10.0791, 0.3288, 0.3289



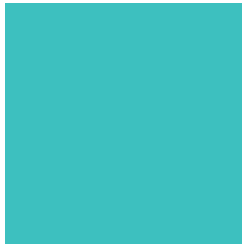
7.5434, 0.6391, 0.3294



0.3264, 0.6355, 0.3275

Previews

White Background



This preview shows how the Yxy color 42.4530, 0.2348, 0.3303 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 42.4530, 0.2348, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

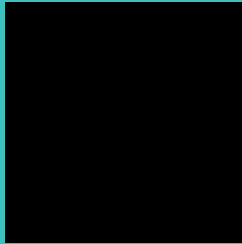
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

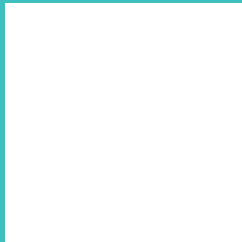
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4530, 0.2348, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 42.4530, 0.2348, 0.3303.

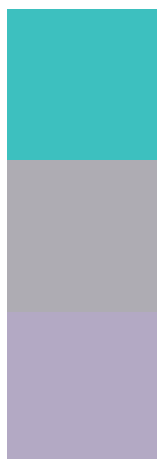


This preview shows how white text looks on a background with the Yxy color 42.4530, 0.2348, 0.3303.

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

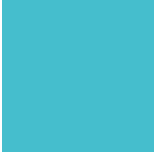
42.4530, 0.2348, 0.3303

Protanopia

41.7584, 0.3087, 0.3195

Deuteranopia

41.9452, 0.2994, 0.2938



Tritanopia

42.4999, 0.2300, 0.3065

Trichromacy



Original Color

42.4530, 0.2348, 0.3303



Protanomaly

40.6456, 0.2729, 0.3230



Deuteranomaly

40.5736, 0.2674, 0.3047



Tritanomaly

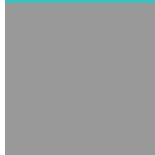
42.5900, 0.2317, 0.3152

Monochromacy



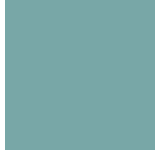
Original Color

42.4530, 0.2348, 0.3303



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.4205, 0.2727, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4530, 0.2348, 0.3303 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(61, 192, 191)` looks like.

```
.text, #text, p{  
    color:rgb(61, 192, 191)  
}
```

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(61, 192, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 192, 191) }
```

Border

The CSS property to change the border of an element to Yxy 42.4530, 0.2348, 0.3303 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(61, 192, 191) }
```

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

```
.border{ border-color:rgb(61, 192, 191) }
```

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

Here you see how a box with a 4 pixel rgb(61, 192, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 192, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 192, 191);  
box-shadow:4px 4px 4px 4px rgb(61, 192,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4530, 0.2348, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 192, 191) }
```

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

```
.background{ background-color: rgb(61, 192,  
191) }
```

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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