

Converting Colors

$Yxy(42.9345, 0.2329, 0.3272)$

Have a look what the booklet for
Yxy(42.9345, 0.2329, 0.3272)
contains.

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Color

Yxy(42.9345, 0.2329, 0.3272)

Conversions

Conversions Part 1

Format	Color
Hex	3AC1C2
RGB	58, 193, 194
RGB Percent	23%, 76%, 76%
CMY	0.7719, 0.2432, 0.2392
CMYK	0.70, 0.01, 0.00, 0.24
HSL	180°, 54%, 49%
HSV	180°, 70%, 76%
XYZ	30.5607, 42.9345, 57.7228
YIQ	152.7490, -80.7810, -28.3090

Conversions

Conversions Part 2

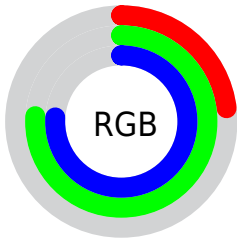
Format	Color
RYB	58, 126, 194
Decimal	3850690
CIELab	71.51, -34.66, -10.99
CIELCh	72, 36.360, 197.588
Yxy	42.9345, 0.2329, 0.3272
Android (android.graphics.Color)	4282040770 (0xFF3AC1C2)
YUV	152.7490, 20.3367, -83.0949
Hunter-Lab	65.5244, -31.4152, -6.3635

Details

The Yxy color **42.9345, 0.2329, 0.3272** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **14.9264, 0.5449, 0.3307**, and the grayscale version is **31.6981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6333, 0.2473, 0.3288**, and **20.3587, 0.2241, 0.3266** is the 20% darker color. If you saturate the color by 10%, you get **42.3937, 0.2283, 0.3269**, and if you desaturate by 10%, it is **43.6978, 0.2394, 0.3275**.

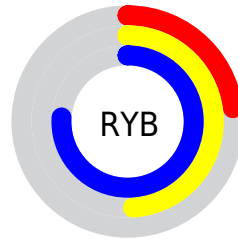
Distribution



Red (23%)

Green (76%)

Blue (76%)



Red (23%)

Yellow (49%)

Blue (76%)

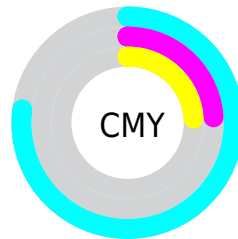


Cyan (70%)

Magenta (1%)

Yellow (0%)

Black (24%)



Cyan (77%)


Magenta (24%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9345, 0.2329, 0.3272 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 42.9345, 0.2329, 0.3272 by changing the saturation by 10% instead.


 42.9345, 0.2329,
0.3272

 42.9345, 0.2329,
0.3272


358.3423, 0.2723,
0.3292


 29.8337, 0.2233,
0.3263


 79.6120, 0.2471,
0.3282

 19.7124, 0.2112,
0.3250


 103.9575, 0.2524,
0.3285


 12.1862, 0.1953,
0.3229


 132.8201, 0.2570,
0.3287

 6.8706, 0.1739,
0.3192

 166.5841, 0.2609,
0.3289

 3.3813, 0.1438,
0.3121

 205.6339, 0.2643,
0.3290

 1.3339, 0.0827,
0.3023

250.3540, 0.2673,

 0.1672, 0.0000,

0.3291

0.1496

301.1286, 0.2699,
0.3292

■ 0.0000, 0.0000,
0.0000

■ 42.9345, 0.2329,
0.3272

■ 42.9345, 0.2329,
0.3272

■ 42.3937, 0.2283,
0.3269

■ 43.6978, 0.2394,
0.3275

■ 42.0445, 0.2255,
0.3267

■ 44.7008, 0.2478,
0.3277

■ 41.8380, 0.2240,
0.3265

■ 45.9644, 0.2580,
0.3280

■ 47.5060, 0.2699,
0.3283

■ 49.3415, 0.2831,
0.3285

■ 51.4857, 0.2975,
0.3288

■ 53.9521, 0.3127,
0.3290

■ 56.7538, 0.3284,
0.3292

■ 59.9028, 0.3444,
0.3294

Harmonies

Analogous

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



42.9345, 0.2682, 0.3795



42.9345, 0.2329, 0.3272



42.9345, 0.2184, 0.2812

Triad

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



42.9345, 0.2329, 0.3272



42.9345, 0.3012, 0.2578



42.9345, 0.4047, 0.4004

Complementary

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



42.9345, 0.2329, 0.3272



14.9264, 0.5449, 0.3307

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.



42.9345, 0.4170, 0.3632



42.9345, 0.2329, 0.3272



42.9345, 0.3545, 0.2847

Square

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



42.9345, 0.2329, 0.3272



42.9345, 0.2551, 0.2463



42.9345, 0.3985, 0.3220



42.9345, 0.3674, 0.4224

Rectangle

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



42.9345, 0.2329, 0.3272



42.9345, 0.2212, 0.2604



42.9345, 0.3985, 0.3220



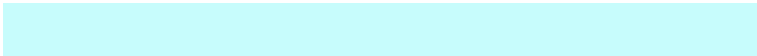
42.9345, 0.4121, 0.3891

Sweetspot

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



42.9361, 0.2329, 0.3272



88.9113, 0.2813, 0.3285



39.8016, 0.3023, 0.5514



19.2578, 0.2775, 0.3284



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.



42.9361, 0.2329, 0.3272



76.4182, 0.2266, 0.3268



19.7458, 0.2049, 0.2133



11.4150, 0.2984, 0.3288



27.5087, 0.2240, 0.3265



1.1928, 0.2242, 0.3270

Inverse Universe

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



18.3644, 0.3212, 0.1766



29.2795, 0.3222, 0.1614



26.7238, 0.4706, 0.4124



10.2462, 0.3139, 0.3065



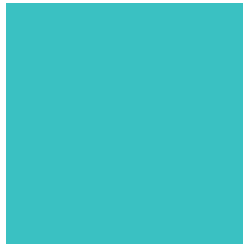
10.0593, 0.3228, 0.1552



0.4351, 0.3223, 0.1549

Previews

White Background



This preview shows how the Yxy color 42.9345, 0.2329, 0.3272 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 42.9345, 0.2329, 0.3272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

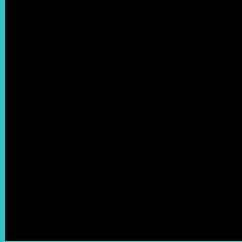
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

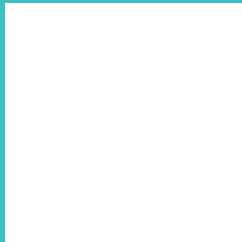
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9345, 0.2329, 0.3272

Background



This preview shows how black text looks on a background with the Yxy color 42.9345, 0.2329, 0.3272.

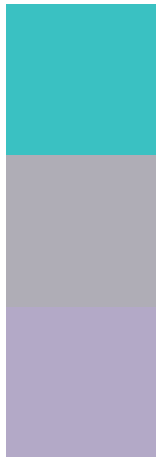


This preview shows how white text looks on a background with the Yxy color 42.9345, 0.2329, 0.3272.

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

42.9345, 0.2329, 0.3272

Protanopia

42.3785, 0.3071, 0.3169

Deuteranopia

42.0832, 0.2970, 0.2901



Tritanopia

42.9248, 0.2284, 0.3051

Trichromacy



Original Color

42.9345, 0.2329, 0.3272



Protanomaly

41.1742, 0.2711, 0.3202



Deuteranomaly

41.0229, 0.2649, 0.3020



Tritanomaly

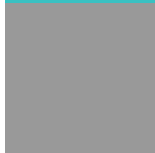
43.0203, 0.2302, 0.3138

Monochromacy



Original Color

42.9345, 0.2329, 0.3272



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.7544, 0.2714, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9345, 0.2329, 0.3272 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(58, 193, 194)` looks like.

```
.text, #text, p{  
    color:rgb(58, 193, 194)  
}
```

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(58, 193, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 193, 194) }
```

Border

The CSS property to change the border of an element to Yxy 42.9345, 0.2329, 0.3272 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(58, 193, 194) }
```

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

```
.border{ border-color:rgb(58, 193, 194) }
```

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

Here you see how a box with a 4 pixel rgb(58, 193, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 193, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 193, 194);  
box-shadow:4px 4px 4px 4px rgb(58, 193,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9345, 0.2329, 0.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 193, 194) }
```

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

```
.background{ background-color: rgb(58, 193,  
194) }
```

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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