

Converting Colors

$Y_{xy}(42.9104, 0.2280, 0.3355)$

Have a look what the booklet for
Yxy(42.9104, 0.2280, 0.3355)
contains.

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Color

Yxy(42.9405, 0.2279, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	14C3BF
RGB	20, 195, 191
RGB Percent	8%, 76%, 75%
CMY	0.9198, 0.2353, 0.2511
CMYK	0.90, 0.00, 0.02, 0.24
HSL	179°, 81%, 42%
HSV	179°, 90%, 76%
XYZ	29.2124, 42.9405, 56.0277
YIQ	142.2190, -103.0160, -38.3440

Conversions

Conversions Part 2

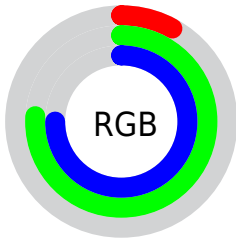
Format	Color
RYP	20, 109, 195
Decimal	1360831
CIELab	71.51, -39.79, -9.38
CIElCh	72, 40.882, 193.264
Yxy	42.9405, 0.2279, 0.3350
Android (android.graphics.Color)	4279550911 (0xFF14C3BF)
YUV	142.2190, 24.0490, -107.1861
Hunter-Lab	65.5290, -35.1017, -4.8230

Details

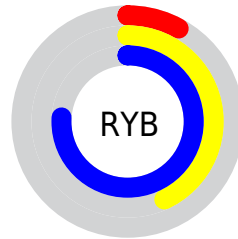
The Yxy color **42.9405, 0.2279, 0.3350** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **12.1857, 0.6173, 0.3280**, and the grayscale version is **27.1290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4620, 0.2429, 0.3347**, and **20.5911, 0.2258, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **42.7750, 0.2267, 0.3357**, and if you desaturate by 10%, it is **43.2585, 0.2306, 0.3343**.

Distribution



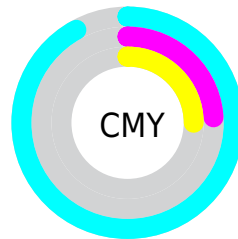
- Red (8%)
- Green (76%)
- Blue (75%)



- Red (8%)
- Yellow (43%)
- Blue (76%)



- Cyan (90%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)





- Cyan (92%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9405, 0.2279, 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 42.9405, 0.2279, 0.3350 by changing the saturation by 10% instead.


 42.9405, 0.2279,
0.3350

 42.9405, 0.2279,
0.3350


358.3670, 0.2698,
0.3331


 29.8384, 0.2177,
0.3351


 79.6211, 0.2429,
0.3346


 19.7160, 0.2048,
0.3350


 103.9684, 0.2486,
0.3344


 12.1888, 0.1881,
0.3344


 132.8328, 0.2535,
0.3341

 6.8724, 0.1655,
0.3328

 166.5989, 0.2576,
0.3339

 3.3824, 0.1339,
0.3287

 205.6510, 0.2613,
0.3337

 1.3345, 0.0590,
0.3278

250.3734, 0.2644,

 0.1677, 0.0000,

0.3335

0.1667

301.1506, 0.2673,
0.3333

■ 0.0000, 0.0000,
0.0000

■ 42.9405, 0.2279,
0.3350

■ 42.9405, 0.2279,
0.3350

■ 42.7750, 0.2267,
0.3357

■ 43.2585, 0.2306,
0.3343

■ 42.7679, 0.2266,
0.3358

■ 43.7718, 0.2350,
0.3335

■ 44.5082, 0.2414,
0.3328

■ 45.4897, 0.2497,
0.3321

■ 46.7360, 0.2597,
0.3314

■ 48.2644, 0.2714,
0.3307

■ 50.0910, 0.2844,
0.3301

■ 52.2307, 0.2985,
0.3295

■ 54.6972, 0.3135,
0.3290

Harmonies

Analogous

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



42.9405, 0.2696, 0.3941



42.9405, 0.2279, 0.3350



42.9405, 0.2088, 0.2811

Triad

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



42.9405, 0.2279, 0.3350



42.9405, 0.2912, 0.2471



42.9405, 0.4195, 0.4025

Complementary

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



42.9405, 0.2279, 0.3350



12.1857, 0.6173, 0.3280

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.



42.9405, 0.4291, 0.3595



42.9405, 0.2279, 0.3350



42.9405, 0.3509, 0.2746

Square

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



42.9405, 0.2279, 0.3350



42.9405, 0.2424, 0.2369



42.9405, 0.4035, 0.3142



42.9405, 0.3805, 0.4318

Rectangle

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



42.9405, 0.2279, 0.3350



42.9405, 0.2096, 0.2561



42.9405, 0.4035, 0.3142



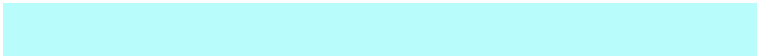
42.9405, 0.4265, 0.3890

Sweetspot

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



42.9421, 0.2279, 0.3350



87.0875, 0.2740, 0.3306



39.3031, 0.3015, 0.5902



18.8410, 0.2697, 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.



42.9421, 0.2279, 0.3350



76.5974, 0.2266, 0.3359



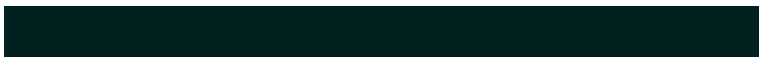
16.0247, 0.1873, 0.1863



11.4243, 0.2987, 0.3295



27.8004, 0.2266, 0.3357



1.2025, 0.2261, 0.3340

Inverse Universe

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



12.1857, 0.6173, 0.3280



20.7923, 0.6384, 0.3291



21.1375, 0.5282, 0.4078



10.0816, 0.3285, 0.3285



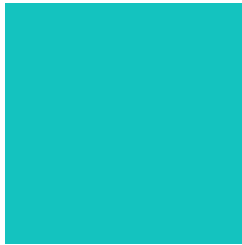
7.5488, 0.6372, 0.3284



0.3275, 0.6266, 0.3226

Previews

White Background



This preview shows how the Yxy color 42.9405, 0.2279, 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 42.9405, 0.2279, 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

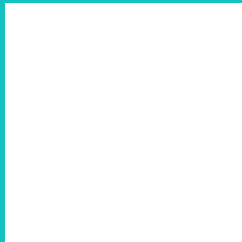
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9405, 0.2279, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 42.9405, 0.2279, 0.3350.

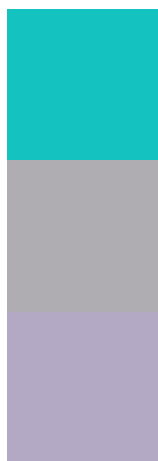


This preview shows how white text looks on a background with the Yxy color 42.9405, 0.2279, 0.3350.

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

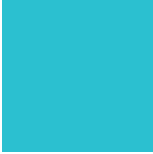
42.9405, 0.2279, 0.3350

Protanopia

42.3316, 0.3113, 0.3223

Deuteranopia

42.1105, 0.2995, 0.2927



Tritanopia

42.7669, 0.2226, 0.3049

Trichromacy



Original Color

42.9405, 0.2279, 0.3350



Protanomaly

40.3886, 0.2637, 0.3259



Deuteranomaly

39.9185, 0.2575, 0.3041



Tritanomaly

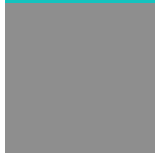
42.7615, 0.2242, 0.3151

Monochromacy



Original Color

42.9405, 0.2279, 0.3350



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.6245, 0.2604, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9405, 0.2279, 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(20, 195, 191)` looks like.

```
.text, #text, p{  
    color:rgb(20, 195, 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(20, 195, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 195, 191) }
```

Border

The CSS property to change the border of an element to Yxy 42.9405, 0.2279, 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(20, 195, 191) }
```

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

```
.border{ border-color:rgb(20, 195, 191) }
```

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

Here you see how a box with a 4 pixel rgb(20, 195, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 195, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 195, 191);  
box-shadow:4px 4px 4px 4px rgb(20, 195,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9405, 0.2279, 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(20, 195, 191) }
```

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

```
.background{ background-color: rgb(20, 195,  
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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