

Converting Colors

$Y_{xy}(35.8054, 0.2296, 0.3311)$

Have a look what the booklet for
Yxy(35.8054, 0.2296, 0.3311)
contains.

Yxy(35.8296, 0.2295, 0.3304)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.8296, 0.2295, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	24B3B2
RGB	36, 179, 178
RGB Percent	14%, 70%, 70%
CMY	0.8582, 0.2981, 0.3019
CMYK	0.80, 0.00, 0.01, 0.30
HSL	180°, 66%, 42%
HSV	180°, 80%, 70%
XYZ	24.8877, 35.8296, 47.7258
YIQ	136.1290, -84.9070, -30.6270

Conversions

Conversions Part 2

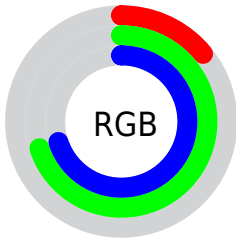
Format	Color
RYB	36, 108, 179
Decimal	2405298
CIELab	66.39, -35.25, -9.87
CIELCh	66, 36.605, 195.648
Yxy	35.8296, 0.2295, 0.3304
Android (android.graphics.Color)	4280595378 (0xFF24B3B2)
YUV	136.1290, 20.6424, -87.8131
Hunter-Lab	59.8578, -30.5345, -5.3726

Details

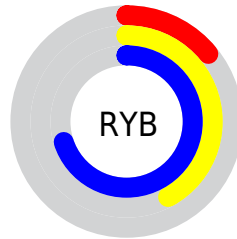
The Yxy color **35.8296, 0.2295, 0.3304** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **10.9891, 0.5856, 0.3290**, and the grayscale version is **24.6342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6084, 0.2447, 0.3300**, and **16.4024, 0.2253, 0.3311** is the 20% darker color. If you saturate the color by 10%, you get **35.5791, 0.2267, 0.3306**, and if you desaturate by 10%, it is **36.2439, 0.2341, 0.3302**.

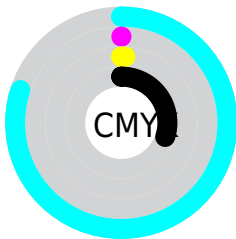
Distribution



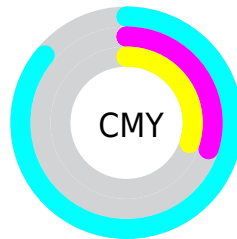
- Red (14%)
- Green (70%)
- Blue (70%)



- Red (14%)
- Yellow (42%)
- Blue (70%)



- Cyan (80%)
- Magenta (0%)
- Yellow (1%)
- Black (30%)





- Cyan (86%)
- Magenta (30%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8296, 0.2295, 0.3304 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 35.8296, 0.2295, 0.3304 by changing the saturation by 10% instead.


 35.8296, 0.2295,
0.3304


 35.8296, 0.2295,
0.3304


328.2151, 0.2718,
0.3309


 24.3026, 0.2188,
0.3299


 68.7690, 0.2450,
0.3309

 15.5583, 0.2051,
0.3289


 90.9502, 0.2508,
0.3309


 9.2121, 0.1868,
0.3271


 117.4515, 0.2556,
0.3310

 4.8798, 0.1616,
0.3234

 148.6575, 0.2598,
0.3310

 2.1769, 0.1252,
0.3153

 184.9525, 0.2634,
0.3310

 0.7074, 0.0000,
0.3133

226.7208, 0.2666,

 0.0000, 0.0000,

0.3309

0.0000

274.3469, 0.2693,
0.3309

■ 35.8296, 0.2295,
0.3304

■ 35.8296, 0.2295,
0.3304

■ 35.5791, 0.2267,
0.3306

■ 36.2439, 0.2341,
0.3302

■ 35.4454, 0.2253,
0.3308

■ 36.8391, 0.2405,
0.3300

■ 35.4429, 0.2252,
0.3308

■ 37.6345, 0.2488,
0.3298

■ 38.6459, 0.2589,
0.3296

■ 39.8876, 0.2707,
0.3294

■ 41.3724, 0.2838,
0.3293

■ 43.1126, 0.2980,
0.3291

■ 45.1192, 0.3130,
0.3290

■ 47.4029, 0.3286,
0.3289

Harmonies

Analogous

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



35.8296, 0.2680, 0.3866



35.8296, 0.2295, 0.3304



35.8296, 0.2129, 0.2803

Triad

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



35.8296, 0.2295, 0.3304



35.8296, 0.2966, 0.2521



35.8296, 0.4125, 0.4024

Complementary

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



35.8296, 0.2295, 0.3304



10.9891, 0.5856, 0.3290

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.



35.8296, 0.4240, 0.3620



35.8296, 0.2295, 0.3304



35.8296, 0.3537, 0.2797

Square

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



35.8296, 0.2295, 0.3304



35.8296, 0.2487, 0.2410



35.8296, 0.4021, 0.3185



35.8296, 0.3739, 0.4281

Rectangle

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



35.8296, 0.2295, 0.3304



35.8296, 0.2148, 0.2575



35.8296, 0.4021, 0.3185



35.8296, 0.4199, 0.3899

Sweetspot

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



35.8309, 0.2295, 0.3304



72.8204, 0.2776, 0.3293



32.7892, 0.3020, 0.5737



15.9304, 0.2730, 0.3294



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8309, 0.2295, 0.3304



63.5429, 0.2256, 0.3308



14.7752, 0.1953, 0.1998



9.6305, 0.2987, 0.3291



25.0475, 0.2252, 0.3308



0.7884, 0.2251, 0.3302

Inverse Universe

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



10.9891, 0.5856, 0.3290



17.3894, 0.6342, 0.3297



19.8548, 0.4987, 0.4129



8.5062, 0.3286, 0.3289



6.7746, 0.6392, 0.3295



0.2135, 0.6352, 0.3273

Previews

White Background



This preview shows how the Yxy color 35.8296, 0.2295, 0.3304 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 35.8296, 0.2295, 0.3304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

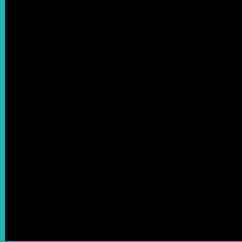
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

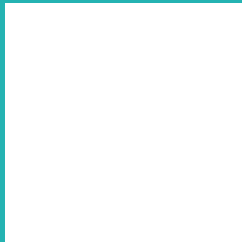
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8296, 0.2295, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 35.8296, 0.2295, 0.3304.

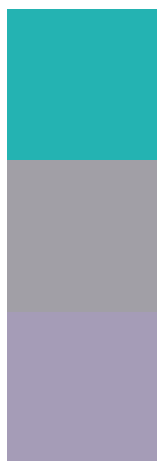


This preview shows how white text looks on a background with the Yxy color 35.8296, 0.2295, 0.3304.

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

35.8296, 0.2295, 0.3304

Protanopia

35.1265, 0.3084, 0.3188

Deuteranopia

35.1952, 0.2975, 0.2912



Tritanopia

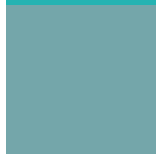
35.8342, 0.2252, 0.3063

Trichromacy



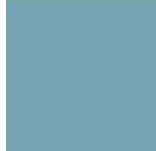
Original Color

35.8296, 0.2295, 0.3304



Protanomaly

33.8877, 0.2674, 0.3225



Deuteranomaly

33.7387, 0.2608, 0.3025



Tritanomaly

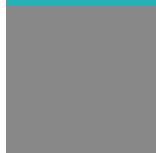
35.9214, 0.2270, 0.3157

Monochromacy



Original Color

35.8296, 0.2295, 0.3304



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.4002, 0.2663, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8296, 0.2295, 0.3304 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(36, 179, 178)` looks like.

```
.text, #text, p{  
    color:rgb(36, 179, 178)  
}
```

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(36, 179, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 179, 178) }
```

Border

The CSS property to change the border of an element to Yxy 35.8296, 0.2295, 0.3304 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(36, 179, 178) }
```

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

```
.border{ border-color:rgb(36, 179, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 179, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 179, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 179, 178);  
box-shadow:4px 4px 4px 4px rgb(36, 179,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8296, 0.2295, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 179, 178) }
```

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

```
.background{ background-color: rgb(36, 179,  
178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor