

Converting Colors

$Y_{xy}(35.9668, 0.2301, 0.3152)$

Have a look what the booklet for
Yxy(35.9668, 0.2301, 0.3152)
contains.

Yxy(35.8302, 0.2299, 0.3142)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.8302, 0.2299, 0.3142)

Conversions

Conversions Part 1

Format	Color
Hex	38B1BA
RGB	56, 177, 186
RGB Percent	22%, 69%, 73%
CMY	0.7803, 0.3059, 0.2706
CMYK	0.70, 0.05, 0.00, 0.27
HSL	184°, 54%, 47%
HSV	184°, 70%, 73%
XYZ	26.2169, 35.8302, 51.9891
YIQ	141.8470, -75.0050, -22.8530

Conversions

Conversions Part 2

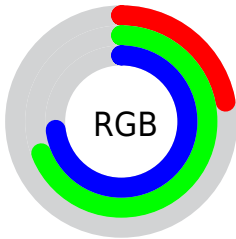
Format	Color
RYB	56, 119, 186
Decimal	3715514
CIELab	66.39, -29.65, -14.27
CIELCh	66, 32.908, 205.695
Yxy	35.8302, 0.2299, 0.3142
Android (android.graphics.Color)	4281905594 (0xFF38B1BA)
YUV	141.8470, 21.7674, -75.2878
Hunter-Lab	59.8583, -26.5721, -9.5947




Details

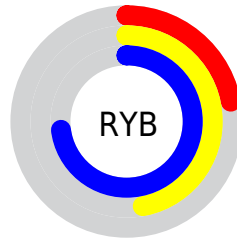
The Yxy color **35.8302, 0.2299, 0.3142** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.5094, 0.5352, 0.3397**, and the grayscale version is **26.9250, 0.3127, 0.3290**.




A 20% lighter version of the original color is **68.7536, 0.2453, 0.3179**, and **16.1088, 0.2190, 0.3083** is the 20% darker color. If you saturate the color by 10%, you get **34.8847, 0.2245, 0.3119**, and if you desaturate by 10%, it is **36.9822, 0.2372, 0.3165**.

Distribution







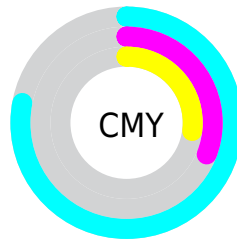
-  Red (22%)
-  Green (69%)
-  Blue (73%)






-  Red (22%)
-  Yellow (47%)
-  Blue (73%)



-  Cyan (70%)
-  Magenta (5%)
-  Yellow (0%)
-  Black (27%)



-  Cyan (78%)
-  Magenta (31%)
-  Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8302, 0.2299, 0.3142 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 35.8302, 0.2299, 0.3142 by changing the saturation by 10% instead.


 35.8302, 0.2299,
0.3142


 35.8302, 0.2299,
0.3142


328.2178, 0.2718,
0.3232

 24.3031, 0.2194,
0.3114


 68.7699, 0.2452,
0.3178

 15.5586, 0.2059,
0.3075


 90.9513, 0.2509,
0.3191

 9.2124, 0.1880,
0.3018


 117.4529, 0.2558,
0.3201

 4.8800, 0.1635,
0.2926

 148.6591, 0.2599,
0.3209

 2.1770, 0.1283,
0.2763

 184.9543, 0.2635,
0.3216

 0.7074, 0.0000,
0.2602

226.7228, 0.2666,

 0.0000, 0.0000,

0.3222

0.0000

274.3492, 0.2694,
0.3227

■ 35.8302, 0.2299,
0.3142

■ 35.8302, 0.2299,
0.3142

■ 34.8847, 0.2245,
0.3119

■ 36.9822, 0.2372,
0.3165

■ 34.1184, 0.2209,
0.3095

■ 38.3566, 0.2464,
0.3189

■ 33.4862, 0.2187,
0.3073

■ 39.9720, 0.2572,
0.3211

■ 33.4787, 0.2187,
0.3072

■ 41.8441, 0.2696,
0.3233

■ 43.9873, 0.2832,
0.3253

■ 46.4147, 0.2977,
0.3273

■ 49.1388, 0.3129,
0.3290

■ 52.1712, 0.3285,
0.3306

■ 55.5229, 0.3441,
0.3321

Harmonies

Analogous

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



35.8302, 0.2590, 0.3645



35.8302, 0.2299, 0.3142



35.8302, 0.2217, 0.2739

Triad

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



35.8302, 0.2299, 0.3142



35.8302, 0.3154, 0.2660



35.8302, 0.3936, 0.4056

Complementary

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



35.8302, 0.2299, 0.3142



14.5094, 0.5352, 0.3397

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.



35.8302, 0.4127, 0.3727



35.8302, 0.2299, 0.3142



35.8302, 0.3660, 0.2954

Square

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



35.8302, 0.2299, 0.3142



35.8302, 0.2679, 0.2505



35.8302, 0.4028, 0.3332



35.8302, 0.3532, 0.4202

Rectangle

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



35.8302, 0.2299, 0.3142



35.8302, 0.2282, 0.2574



35.8302, 0.4028, 0.3332



35.8302, 0.4029, 0.3960

Sweetspot

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



35.8315, 0.2299, 0.3142



79.1244, 0.2811, 0.3250



36.3385, 0.2988, 0.5393



17.1807, 0.2773, 0.3245



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



35.8315, 0.2299, 0.3142



62.4258, 0.2223, 0.3106



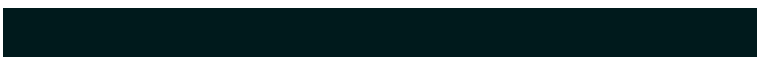
16.0529, 0.2014, 0.1980



10.1013, 0.2985, 0.3274



22.5679, 0.2188, 0.3075



0.8276, 0.2204, 0.3134

Inverse Universe

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



16.4450, 0.3316, 0.1842



25.9670, 0.3358, 0.1695



26.6057, 0.4598, 0.4232



9.1517, 0.3148, 0.3080



9.0606, 0.3388, 0.1640



0.3226, 0.3338, 0.1612

Previews

White Background



This preview shows how the Yxy color 35.8302, 0.2299, 0.3142 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 35.8302, 0.2299, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

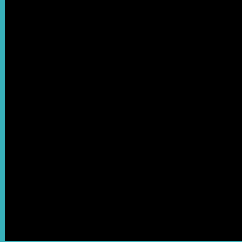
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

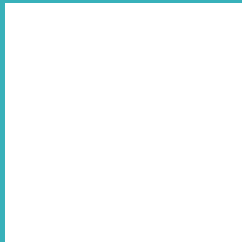
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8302, 0.2299, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 35.8302, 0.2299, 0.3142.

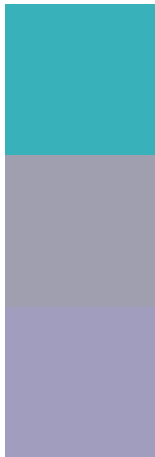


This preview shows how white text looks on a background with the Yxy color 35.8302, 0.2299, 0.3142.

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

35.8302, 0.2299, 0.3142

Protanopia

35.2623, 0.2988, 0.3060

Deuteranopia

35.4087, 0.2881, 0.2830



Tritanopia

35.7421, 0.2280, 0.3048

Trichromacy



Original Color

35.8302, 0.2299, 0.3142



Protanomaly

34.6647, 0.2655, 0.3089



Deuteranomaly

34.4360, 0.2590, 0.2912



Tritanomaly

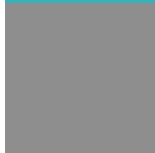
35.6243, 0.2286, 0.3079

Monochromacy



Original Color

35.8302, 0.2299, 0.3142



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

29.2908, 0.2703, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8302, 0.2299, 0.3142 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(56, 177, 186)` looks like.

```
.text, #text, p{  
    color:rgb(56, 177, 186)  
}
```

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(56, 177, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 177, 186) }
```

Border

The CSS property to change the border of an element to Yxy 35.8302, 0.2299, 0.3142 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(56, 177, 186) }
```

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

```
.border{ border-color:rgb(56, 177, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 177, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 177, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 177, 186);  
box-shadow:4px 4px 4px 4px rgb(56, 177,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8302, 0.2299, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 177, 186) }
```

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

```
.background{ background-color: rgb(56, 177,  
186) }
```

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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