

Converting Colors

$Y_{xy}(33.1029, 0.2308, 0.3179)$

Have a look what the booklet for
Yxy(33.1029, 0.2308, 0.3179)
contains.

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Color

Yxy(33.0971, 0.2305, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	35ABB2
RGB	53, 171, 178
RGB Percent	21%, 67%, 70%
CMY	0.7923, 0.3294, 0.3019
CMYK	0.70, 0.04, 0.00, 0.30
HSL	183°, 54%, 45%
HSV	183°, 70%, 70%
XYZ	24.0659, 33.0971, 47.2443
YIQ	136.5160, -72.5750, -22.8390

Conversions

Conversions Part 2

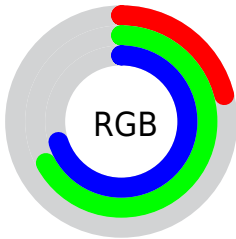
Format	Color
R _Y B	53, 114, 178
Decimal	3517362
CIE Lab	64.24, -29.54, -13.07
CIE LCh	64, 32.303, 203.863
Yxy	33.0971, 0.2305, 0.3170
Android (android.graphics.Color)	4281707442 (0xFF35ABB2)
YUV	136.5160, 20.4516, -73.2435
Hunter-Lab	57.5301, -26.0079, -8.4185

Details

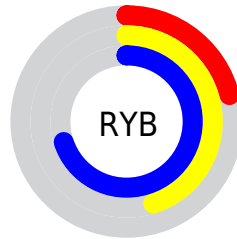
The Yxy color **33.0971, 0.2305, 0.3170** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.9509, 0.5377, 0.3377**, and the grayscale version is **24.7630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6606, 0.2458, 0.3201**, and **14.4375, 0.2200, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **32.3273, 0.2253, 0.3151**, and if you desaturate by 10%, it is **34.0513, 0.2376, 0.3189**.

Distribution



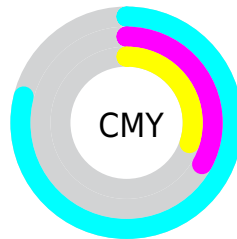
- Red (21%)
- Green (67%)
- Blue (70%)



- Red (21%)
- Yellow (45%)
- Blue (70%)



- Cyan (70%)
- Magenta (4%)
- Yellow (0%)
- Black (30%)





- Cyan (79%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0971, 0.2305, 0.3170 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 33.0971, 0.2305, 0.3170 by changing the saturation by 10% instead.


 33.0971, 0.2305,
0.3170


 33.0971, 0.2305,
0.3170


316.0870, 0.2727,
0.3246

 22.2008, 0.2197,
0.3145


 64.5271, 0.2461,
0.3202


 14.0045, 0.2058,
0.3110


 85.8296, 0.2518,
0.3212

 8.1238, 0.1871,
0.3056


 111.3697, 0.2567,
0.3221

 4.1743, 0.1611,
0.2967

 141.5317, 0.2608,
0.3227

 1.7715, 0.1229,
0.2802

 176.7001, 0.2644,
0.3233

 0.4693, 0.0000,
0.2381

217.2591, 0.2675,

 0.0000, 0.0000,

0.3238

0.0000

263.5933, 0.2703,
0.3242

■ 33.0971, 0.2305,
0.3170

■ 33.0971, 0.2305,
0.3170

■ 32.3273, 0.2253,
0.3151

■ 34.0513, 0.2376,
0.3189

■ 31.7172, 0.2219,
0.3133

■ 35.2040, 0.2465,
0.3207

■ 31.2342, 0.2199,
0.3115

■ 36.5721, 0.2572,
0.3226

■ 38.1697, 0.2694,
0.3243

■ 40.0096, 0.2828,
0.3260

■ 42.1039, 0.2972,
0.3275

■ 44.4636, 0.3123,
0.3290

■ 47.0992, 0.3279,
0.3303

■ 50.0206, 0.3435,
0.3315

Harmonies

Analogous

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



33.0971, 0.2610, 0.3678



33.0971, 0.2305, 0.3170



33.0971, 0.2209, 0.2755

Triad

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



33.0971, 0.2305, 0.3170



33.0971, 0.3123, 0.2642



33.0971, 0.3961, 0.4045

Complementary

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



33.0971, 0.2305, 0.3170



12.9509, 0.5377, 0.3377

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.



33.0971, 0.4138, 0.3706



33.0971, 0.2305, 0.3170



33.0971, 0.3635, 0.2930

Square

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



33.0971, 0.2305, 0.3170



33.0971, 0.2650, 0.2495



33.0971, 0.4019, 0.3307



33.0971, 0.3563, 0.4208

Rectangle

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



33.0971, 0.2305, 0.3170



33.0971, 0.2266, 0.2580



33.0971, 0.4019, 0.3307



33.0971, 0.4050, 0.3945

Sweetspot

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



33.0983, 0.2305, 0.3170



72.1515, 0.2812, 0.3258



32.9187, 0.2997, 0.5426



15.7768, 0.2775, 0.3254



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.



33.0983, 0.2305, 0.3170



58.0067, 0.2233, 0.3142



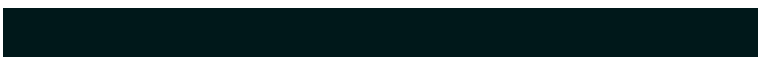
14.9575, 0.2022, 0.2017



9.5484, 0.2986, 0.3277



22.3767, 0.2199, 0.3117



0.7286, 0.2213, 0.3168

Inverse Universe

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



14.9492, 0.3294, 0.1825



23.7227, 0.3327, 0.1678



23.5776, 0.4626, 0.4206



8.6383, 0.3146, 0.3078



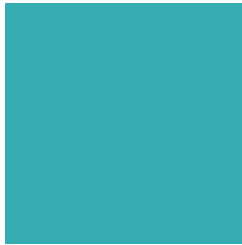
8.7991, 0.3352, 0.1620



0.2793, 0.3309, 0.1596

Previews

White Background



This preview shows how the Yxy color 33.0971, 0.2305, 0.3170 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 33.0971, 0.2305, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

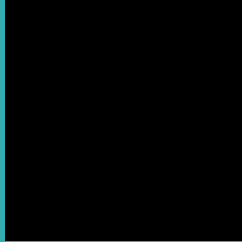
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0971, 0.2305, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 33.0971, 0.2305, 0.3170.

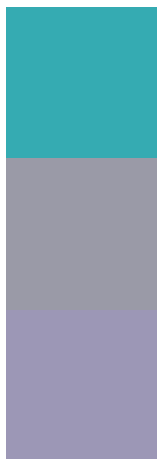


This preview shows how white text looks on a background with the Yxy color 33.0971, 0.2305, 0.3170.

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

33.0971, 0.2305, 0.3170

Protanopia

32.7712, 0.3010, 0.3096

Deuteranopia

32.5785, 0.2899, 0.2843



Tritanopia

33.0800, 0.2284, 0.3057

Trichromacy



Original Color

33.0971, 0.2305, 0.3170



Protanomaly

31.8638, 0.2663, 0.3113



Deuteranomaly

31.7119, 0.2603, 0.2930



Tritanomaly

32.9676, 0.2290, 0.3088

Monochromacy



Original Color

33.0971, 0.2305, 0.3170



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

26.8261, 0.2697, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0971, 0.2305, 0.3170 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(53, 171, 178)` looks like.

```
.text, #text, p{  
    color:rgb(53, 171, 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(53, 171, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 171, 178) }
```

Border

The CSS property to change the border of an element to Yxy 33.0971, 0.2305, 0.3170 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(53, 171, 178) }
```

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

```
.border{ border-color:rgb(53, 171, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 171, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 171, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 171, 178);  
box-shadow:4px 4px 4px 4px rgb(53, 171,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0971, 0.2305, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 171, 178) }
```

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

```
.background{ background-color: rgb(53, 171,  
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](#).

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