

Converting Colors

$Y_{xy}(33.1715, 0.2221, 0.3196)$

Have a look what the booklet for
Yxy(33.1715, 0.2221, 0.3196)
contains.

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Color

Yxy(33.1015, 0.2223, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	00ADB2
RGB	0, 173, 178
RGB Percent	0%, 68%, 70%
CMY	0.9991, 0.3216, 0.3020
CMYK	1.00, 0.03, 0.00, 0.30
HSL	182°, 100%, 35%
HSV	182°, 100%, 70%
XYZ	22.9808, 33.1015, 47.2952
YIQ	121.8430, -104.7130, -35.1210

Conversions

Conversions Part 2

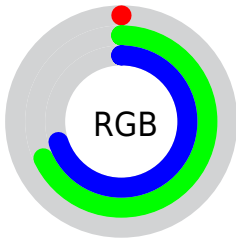
Format	Color
RYB	0, 88, 178
Decimal	44466
CIELab	64.24, -34.38, -13.12
CIELCh	64, 36.801, 200.880
Yxy	33.1015, 0.2223, 0.3202
Android (android.graphics.Color)	4278234546 (0xFF00ADB2)
YUV	121.8430, 27.6854, -106.8563
Hunter-Lab	57.5339, -29.3859, -8.4651

Details

The Yxy color **33.1015, 0.2223, 0.3202** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.5783, 0.6377, 0.3317**, and the grayscale version is **19.3642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5758, 0.2392, 0.3225**, and **14.9136, 0.2214, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **33.0989, 0.2223, 0.3202**, and if you desaturate by 10%, it is **33.4223, 0.2241, 0.3211**.

Distribution



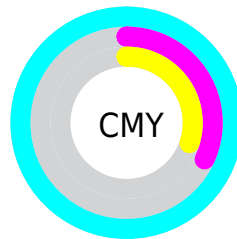
- Red (0%)
- Green (68%)
- Blue (70%)



- Red (0%)
- Yellow (35%)
- Blue (70%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (32%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1015, 0.2223, 0.3202 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 33.1015, 0.2223, 0.3202 by changing the saturation by 10% instead.


 33.1015, 0.2223,
0.3202


 33.1015, 0.2223,
0.3202


 316.1068, 0.2686,
0.3263

 22.2042, 0.2105,
0.3180


 64.5340, 0.2393,
0.3229

 14.0070, 0.1954,
0.3148


 85.8379, 0.2456,
0.3237


 8.1256, 0.1753,
0.3098


 111.3796, 0.2510,
0.3244

 4.1754, 0.1475,
0.3012

 141.5433, 0.2555,
0.3250

 1.7722, 0.1061,
0.2852

 176.7135, 0.2595,
0.3254

 0.4697, 0.0000,
0.2376

 217.2746, 0.2629,

 0.0000, 0.0000,

0.3258

0.0000

263.6109, 0.2659,
0.3261

■ 33.1015, 0.2223,
0.3202

■ 33.1015, 0.2223,
0.3202

■ 33.0989, 0.2223,
0.3202

■ 33.4223, 0.2241,
0.3211

■ 33.8583, 0.2272,
0.3220

■ 34.4540, 0.2322,
0.3229

■ 35.2301, 0.2390,
0.3239

■ 36.2044, 0.2477,
0.3248

■ 37.3925, 0.2581,
0.3257

■ 38.8084, 0.2701,
0.3266

■ 40.4650, 0.2834,
0.3275

■ 42.3741, 0.2978,
0.3283

Harmonies

Analogous

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



33.1015, 0.2582, 0.3791



33.1015, 0.2223, 0.3202



33.1015, 0.2095, 0.2715

Triad

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



33.1015, 0.2223, 0.3202



33.1015, 0.3060, 0.2538



33.1015, 0.4103, 0.4105

Complementary

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



33.1015, 0.2223, 0.3202



9.5783, 0.6377, 0.3317

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.



33.1015, 0.4279, 0.3705



33.1015, 0.2223, 0.3202



33.1015, 0.3649, 0.2845

Square

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



33.1015, 0.2223, 0.3202



33.1015, 0.2541, 0.2391



33.1015, 0.4113, 0.3257



33.1015, 0.3666, 0.4332

Rectangle

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



33.1015, 0.2223, 0.3202



33.1015, 0.2143, 0.2508



33.1015, 0.4113, 0.3257



33.1015, 0.4196, 0.3984

Sweetspot

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



33.1027, 0.2223, 0.3202



70.2016, 0.2693, 0.3266



31.8479, 0.2997, 0.5988



15.3070, 0.2641, 0.3262



91.1408, 0.3127, 0.3290



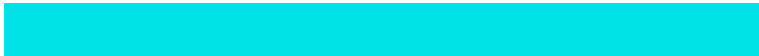
17.8868, 0.3127, 0.3290

Same Dimension

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



33.1027, 0.2223, 0.3202



59.9651, 0.2222, 0.3200



9.8944, 0.1759, 0.1529



9.5897, 0.2986, 0.3283



23.6998, 0.2223, 0.3203



0.7584, 0.2230, 0.3228

Inverse Universe

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



12.4865, 0.3280, 0.1581



22.6292, 0.3282, 0.1581



17.1317, 0.5352, 0.4131



8.6425, 0.3142, 0.3072



8.9326, 0.3280, 0.1580



0.2823, 0.3258, 0.1569

Previews

White Background



This preview shows how the Yxy color 33.1015, 0.2223, 0.3202 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 33.1015, 0.2223, 0.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

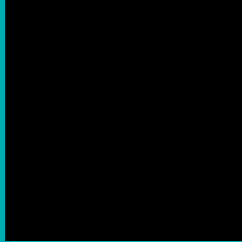
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

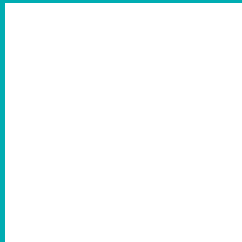
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.1015, 0.2223, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 33.1015, 0.2223, 0.3202.

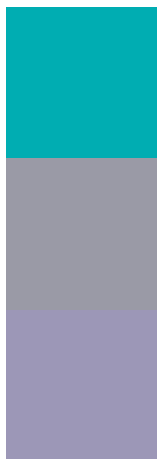


This preview shows how white text looks on a background with the Yxy color 33.1015, 0.2223, 0.3202.

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

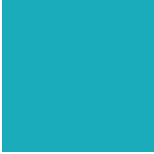
33.1015, 0.2223, 0.3202

Protanopia

32.7344, 0.3019, 0.3111

Deuteranopia

32.6200, 0.2891, 0.2830



Tritanopia

33.2698, 0.2207, 0.3055

Trichromacy



Original Color

33.1015, 0.2223, 0.3202



Protanomaly

30.9887, 0.2536, 0.3139



Deuteranomaly

30.7851, 0.2466, 0.2933



Tritanomaly

33.0431, 0.2209, 0.3102

Monochromacy



Original Color

33.1015, 0.2223, 0.3202



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.6224, 0.2536, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1015, 0.2223, 0.3202 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(0, 173, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 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(0, 173, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 178) }
```

Border

The CSS property to change the border of an element to Yxy 33.1015, 0.2223, 0.3202 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(0, 173, 178) }
```

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

```
.border{ border-color:rgb(0, 173, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 173, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 173, 178); box-shadow:4px 4px 4px 4px rgb(0, 173, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1015, 0.2223, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 178) }
```

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

```
.background{ background-color: rgb(0, 173,  
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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