

Converting Colors

$Y_{xy}(29.3669, 0.2197, 0.3110)$

Have a look what the booklet for
Yxy(29.3669, 0.2197, 0.3110)
contains.

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Color

Yxy(29.2115, 0.2197, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	00A3AD
RGB	0, 163, 173
RGB Percent	0%, 64%, 68%
CMY	1.0000, 0.3607, 0.3216
CMYK	1.00, 0.06, 0.00, 0.32
HSL	183°, 100%, 34%
HSV	183°, 100%, 68%
XYZ	20.6359, 29.2115, 44.0802
YIQ	115.4030, -100.3580, -31.4460

Conversions

Conversions Part 2

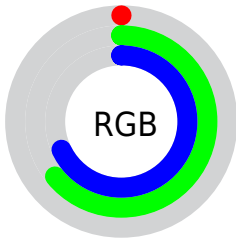
Format	Color
RYB	0, 84, 173
Decimal	41901
CIELab	60.97, -31.24, -15.25
CIELCh	61, 34.767, 206.017
Yxy	29.2115, 0.2197, 0.3110
Android (android.graphics.Color)	4278231981 (0xFF00A3AD)
YUV	115.4030, 28.3953, -101.2084
Hunter-Lab	54.0477, -26.4304, -10.5224

Details

The Yxy color **29.2115, 0.2197, 0.3110** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.0997, 0.6356, 0.3335**, and the grayscale version is **17.2095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1771, 0.2376, 0.3157**, and **12.7494, 0.2178, 0.3039** is the 20% darker color. If you saturate the color by 10%, you get **29.2146, 0.2197, 0.3110**, and if you desaturate by 10%, it is **29.6924, 0.2219, 0.3129**.

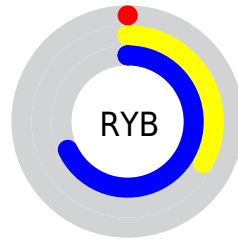
Distribution



Red (0%)

Green (64%)

Blue (68%)



Red (0%)

Yellow (33%)

Blue (68%)

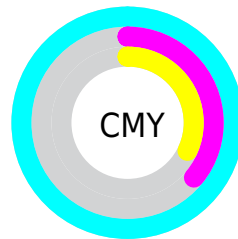


Cyan (100%)

Magenta (6%)

Yellow (0%)

Black (32%)



Cyan (100%)


Magenta (36%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2115, 0.2197, 0.3110 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 29.2115, 0.2197, 0.3110 by changing the saturation by 10% instead.


 29.2115, 0.2197,
0.3110


 29.2115, 0.2197,
0.3110


 298.2116, 0.2681,
0.3223

 19.2409, 0.2072,
0.3073


 58.4130, 0.2377,
0.3157


 11.8445, 0.1909,
0.3021


 78.4126, 0.2443,
0.3173


 6.6379, 0.1690,
0.2940


 102.5240, 0.2499,
0.3185

 3.2367, 0.1385,
0.2804

 131.1315, 0.2546,
0.3195

 1.2565, 0.0807,
0.2590

 164.6197, 0.2587,
0.3204

 0.1071, 0.0000,
0.0820

 203.3728, 0.2622,

 0.0000, 0.0000,

0.3211

0.0000

247.7753, 0.2654,
0.3217

■ 29.2115, 0.2197,
0.3110

■ 29.2115, 0.2197,
0.3110

■ 29.2146, 0.2197,
0.3110

■ 29.6924, 0.2219,
0.3129

■ 30.2794, 0.2254,
0.3148

■ 31.0179, 0.2307,
0.3167

■ 31.9272, 0.2378,
0.3187

■ 33.0240, 0.2468,
0.3206

■ 34.3226, 0.2575,
0.3224

■ 35.8363, 0.2697,
0.3242

■ 37.5770, 0.2832,
0.3259

■ 39.5558, 0.2976,
0.3275

Harmonies

Analogous

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



29.2115, 0.2516, 0.3686



29.2115, 0.2197, 0.3110



29.2115, 0.2111, 0.2662

Triad

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



29.2115, 0.2197, 0.3110



29.2115, 0.3161, 0.2590



29.2115, 0.4030, 0.4149

Complementary

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



29.2115, 0.2197, 0.3110



9.0997, 0.6356, 0.3335

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.



29.2115, 0.4255, 0.3774



29.2115, 0.2197, 0.3110



29.2115, 0.3734, 0.2915

Square

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



29.2115, 0.2197, 0.3110



29.2115, 0.2627, 0.2415



29.2115, 0.4150, 0.3333



29.2115, 0.3570, 0.4325

Rectangle

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



29.2115, 0.2197, 0.3110



29.2115, 0.2185, 0.2482



29.2115, 0.4150, 0.3333



29.2115, 0.4138, 0.4039

Sweetspot

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



29.2146, 0.2197, 0.3110



64.0375, 0.2691, 0.3241



29.9022, 0.2991, 0.5966



13.6684, 0.2640, 0.3234



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



29.2146, 0.2197, 0.3110



52.2180, 0.2196, 0.3107



8.4436, 0.1729, 0.1423



8.9917, 0.2986, 0.3276



21.4942, 0.2198, 0.3112



0.6213, 0.2214, 0.3169

Inverse Universe

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



11.5278, 0.3358, 0.1624



20.6372, 0.3361, 0.1625



17.0936, 0.5255, 0.4210



8.1400, 0.3146, 0.3079



8.4729, 0.3357, 0.1623



0.2381, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 29.2115, 0.2197, 0.3110 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2115, 0.2197, 0.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

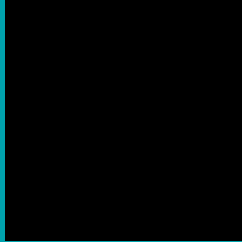
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

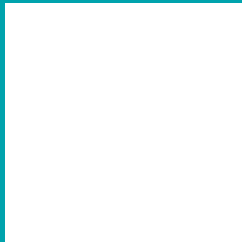
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.2115, 0.2197, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 29.2115, 0.2197, 0.3110.

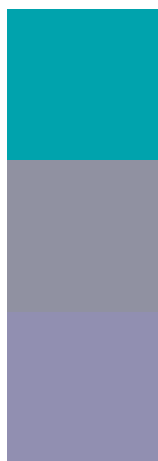


This preview shows how white text looks on a background with the Yxy color 29.2115, 0.2197, 0.3110.

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

29.2115, 0.2197, 0.3110

Protanopia

28.7533, 0.2966, 0.3039

Deuteranopia

28.8390, 0.2833, 0.2776



Tritanopia

29.4391, 0.2198, 0.3059

Trichromacy



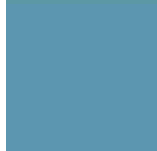
Original Color

29.2115, 0.2197, 0.3110



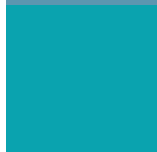
Protanomaly

27.4484, 0.2504, 0.3064



Deuteranomaly

27.2226, 0.2425, 0.2851



Tritanomaly

29.3541, 0.2196, 0.3076

Monochromacy



Original Color

29.2115, 0.2197, 0.3110



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.6966, 0.2514, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2115, 0.2197, 0.3110 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, 163, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 173)  
}
```

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, 163, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 173) }
```

Border

The CSS property to change the border of an element to Yxy 29.2115, 0.2197, 0.3110 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, 163, 173) }
```

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

```
.border{ border-color:rgb(0, 163, 173) }
```

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

Here you see how a box with a 4 pixel rgb(0, 163, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2115, 0.2197, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 173) }
```

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

```
.background{ background-color: rgb(0, 163,  
173) }
```

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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