

Converting Colors

$Y_{xy}(28.6215, 0.1957, 0.3160)$

Have a look what the booklet for
Yxy(28.6215, 0.1957, 0.3160)
contains.

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Color

Yxy(30.2896, 0.2212, 0.3164)

Conversions

Conversions Part 1

Format	Color
Hex	00A6AD
RGB	0, 166, 173
RGB Percent	0%, 65%, 68%
CMY	1.0000, 0.3490, 0.3216
CMYK	1.00, 0.04, 0.00, 0.32
HSL	182°, 100%, 34%
HSV	182°, 100%, 68%
XYZ	21.1759, 30.2896, 44.2665
YIQ	117.1640, -101.1830, -33.0150

Conversions

Conversions Part 2

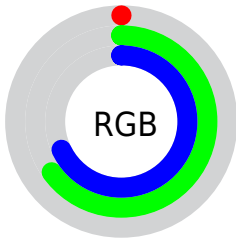
Format	Color
RYB	0, 85, 173
Decimal	42669
CIELab	61.90, -32.68, -13.85
CIELCh	62, 35.489, 202.962
Yxy	30.2896, 0.2212, 0.3164
Android (android.graphics.Color)	4278232749 (0xFF00A6AD)
YUV	117.1640, 27.5271, -102.7528
Hunter-Lab	55.0360, -27.6324, -9.1629

Details

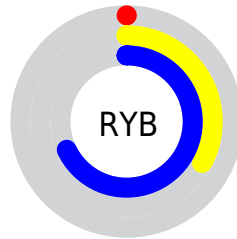
The Yxy color **30.2896, 0.2212, 0.3164** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.0364, 0.6369, 0.3325**, and the grayscale version is **17.7808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3308, 0.2391, 0.3210**, and **13.1907, 0.2192, 0.3090** is the 20% darker color. If you saturate the color by 10%, you get **30.2928, 0.2212, 0.3164**, and if you desaturate by 10%, it is **30.6698, 0.2232, 0.3177**.

Distribution



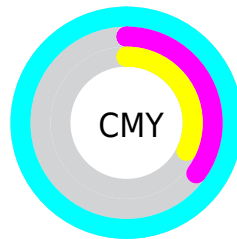
- Red (0%)
- Green (65%)
- Blue (68%)



- Red (0%)
- Yellow (33%)
- Blue (68%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (32%)





- Cyan (100%)
- Magenta (35%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2896, 0.2212, 0.3164 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 30.2896, 0.2212, 0.3164 by changing the saturation by 10% instead.


 30.2896, 0.2212,
0.3164


 30.2896, 0.2212,
0.3164


 303.2520, 0.2686,
0.3247

 20.0585, 0.2090,
0.3136

 60.1199, 0.2388,
0.3199


 12.4376, 0.1931,
0.3095


 80.4878, 0.2453,
0.3211

 7.0424, 0.1718,
0.3030


 105.0035, 0.2507,
0.3220

 3.4886, 0.1421,
0.2920

 134.0514, 0.2554,
0.3228

 1.3919, 0.0895,
0.2738

 168.0157, 0.2594,
0.3234

 0.2107, 0.0000,
0.1476

 207.2810, 0.2629,

 0.0000, 0.0000,

0.3239

0.0000

252.2317, 0.2659,
0.3243

■ 30.2896, 0.2212,
0.3164

■ 30.2896, 0.2212,
0.3164

■ 30.2928, 0.2212,
0.3164

■ 30.6698, 0.2232,
0.3177

■ 31.1546, 0.2265,
0.3190

■ 31.7894, 0.2316,
0.3204

■ 32.5937, 0.2385,
0.3217

■ 33.5840, 0.2473,
0.3231

■ 34.7749, 0.2578,
0.3244

■ 36.1794, 0.2699,
0.3256

■ 37.8095, 0.2833,
0.3268

■ 39.6762, 0.2976,
0.3280

Harmonies

Analogous

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



30.2896, 0.2555, 0.3748



30.2896, 0.2212, 0.3164



30.2896, 0.2101, 0.2693

Triad

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



30.2896, 0.2212, 0.3164



30.2896, 0.3101, 0.2559



30.2896, 0.4074, 0.4124

Complementary

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



30.2896, 0.2212, 0.3164



9.0364, 0.6369, 0.3325

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.



30.2896, 0.4270, 0.3733



30.2896, 0.2212, 0.3164



30.2896, 0.3684, 0.2874

Square

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



30.2896, 0.2212, 0.3164



30.2896, 0.2576, 0.2401



30.2896, 0.4129, 0.3288



30.2896, 0.3627, 0.4330

Rectangle

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



30.2896, 0.2212, 0.3164



30.2896, 0.2160, 0.2497



30.2896, 0.4129, 0.3288



30.2896, 0.4173, 0.4006

Sweetspot

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



30.2928, 0.2212, 0.3164



64.6515, 0.2692, 0.3256



29.9009, 0.2994, 0.5977



13.8193, 0.2642, 0.3251



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.



30.2928, 0.2212, 0.3164



54.1715, 0.2212, 0.3162



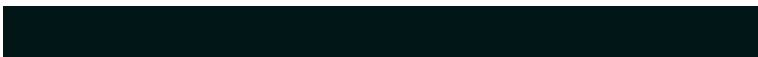
8.8627, 0.1744, 0.1477



9.0157, 0.2987, 0.3280



22.2745, 0.2213, 0.3165



0.6363, 0.2224, 0.3205

Inverse Universe

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



11.6381, 0.3312, 0.1598



20.8344, 0.3314, 0.1599



16.5854, 0.5303, 0.4171



8.1424, 0.3144, 0.3075



8.5517, 0.3311, 0.1598



0.2396, 0.3278, 0.1579

Previews

White Background



This preview shows how the Yxy color 30.2896, 0.2212, 0.3164 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 30.2896, 0.2212, 0.3164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

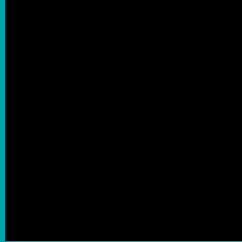
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

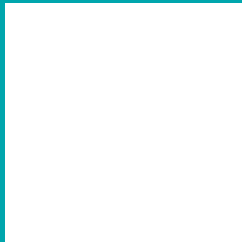
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2896, 0.2212, 0.3164

Background



This preview shows how black text looks on a background with the Yxy color 30.2896, 0.2212, 0.3164.

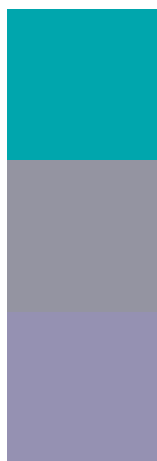


This preview shows how white text looks on a background with the Yxy color 30.2896, 0.2212, 0.3164.

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

30.2896, 0.2212, 0.3164

Protanopia

30.0489, 0.3006, 0.3089

Deuteranopia

29.8547, 0.2864, 0.2798



Tritanopia

30.3355, 0.2201, 0.3046

Trichromacy



Original Color

30.2896, 0.2212, 0.3164



Protanomaly

28.5390, 0.2526, 0.3117



Deuteranomaly

28.3500, 0.2454, 0.2905



Tritanomaly

30.1780, 0.2200, 0.3078

Monochromacy



Original Color

30.2896, 0.2212, 0.3164



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.5899, 0.2525, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2896, 0.2212, 0.3164 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, 166, 173)` looks like.

```
.text, #text, p{  
  color:rgb(0, 166, 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, 166, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 173) }
```

Border

The CSS property to change the border of an element to Yxy 30.2896, 0.2212, 0.3164 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, 166, 173) }
```

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

```
.border{ border-color:rgb(0, 166, 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, 166, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2896, 0.2212, 0.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 173) }
```

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

```
.background{ background-color: rgb(0, 166,  
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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