

Converting Colors

$Yxy(28.5277, 0.2227, 0.3216)$

Have a look what the booklet for
 $Y_{xy}(28.5277, 0.2227, 0.3216)$
contains.

$Y_{xy}(28.5938, 0.2226, 0.3215)$	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(28.5938, 0.2226, 0.3215)$

Conversions

Conversions Part 1

Format	Color
Hex	00A2A6
RGB	0, 162, 166
RGB Percent	0%, 64%, 65%
CMY	1.0000, 0.3647, 0.3491
CMYK	1.00, 0.02, 0.00, 0.35
HSL	181°, 100%, 33%
HSV	181°, 100%, 65%
XYZ	19.7978, 28.5938, 40.5472
YIQ	114.0180, -97.8360, -33.1000

Conversions

Conversions Part 2

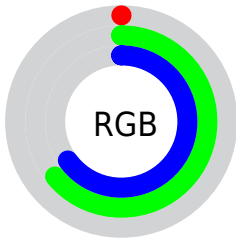
Format	Color
RYB	0, 82, 166
Decimal	41638
CIELab	60.42, -33.01, -12.13
CIELCh	60, 35.171, 200.173
Yxy	28.5938, 0.2226, 0.3215
Android (android.graphics.Color)	4278231718 (0xFF00A2A6)
YUV	114.0180, 25.6271, -99.9938
Hunter-Lab	53.4732, -27.4907, -7.5267

Details

The Yxy color **28.5938, 0.2226, 0.3215** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.1924, 0.6381, 0.3315**, and the grayscale version is **16.7785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2258, 0.2401, 0.3235**, and **12.3668, 0.2218, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **28.5980, 0.2226, 0.3215**, and if you desaturate by 10%, it is **28.8539, 0.2245, 0.3223**.

Distribution



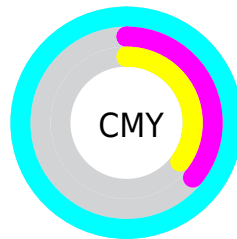
- Red (0%)
- Green (64%)
- Blue (65%)



- Red (0%)
- Yellow (32%)
- Blue (65%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (35%)




- Cyan (100%)
- Magenta (36%)
- Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5938, 0.2226, 0.3215 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 28.5938, 0.2226, 0.3215 by changing the saturation by 10% instead.


 28.5938, 0.2226,
0.3215


 28.5938, 0.2226,
0.3215


 295.2935, 0.2698,
0.3270


 18.7738, 0.2102,
0.3194


 57.4311, 0.2402,
0.3240


 11.5069, 0.1940,
0.3162


 77.2171, 0.2467,
0.3248

 6.4089, 0.1721,
0.3109


 101.0939, 0.2522,
0.3254

 3.0953, 0.1411,
0.3014

 129.4459, 0.2568,
0.3259

 1.1817, 0.0712,
0.2893

 162.6575, 0.2607,
0.3262

 0.0467, 0.0000,
0.0494

 201.1130, 0.2642,

 0.0000, 0.0000,

0.3265

0.0000

245.1969, 0.2672,
0.3268

■ 28.5938, 0.2226,
0.3215

■ 28.5938, 0.2226,
0.3215

■ 28.5980, 0.2226,
0.3215

■ 28.8539, 0.2245,
0.3223

■ 29.2058, 0.2276,
0.3230

■ 29.6934, 0.2325,
0.3238

■ 30.3343, 0.2393,
0.3246

■ 31.1432, 0.2479,
0.3254

■ 32.1333, 0.2583,
0.3262

■ 33.3164, 0.2702,
0.3270

■ 34.7033, 0.2834,
0.3277

■ 36.3040, 0.2977,
0.3284

Harmonies

Analogous

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



28.5938, 0.2591, 0.3806



28.5938, 0.2226, 0.3215



28.5938, 0.2092, 0.2722

Triad

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



28.5938, 0.2226, 0.3215



28.5938, 0.3046, 0.2530



28.5938, 0.4114, 0.4100

Complementary

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



28.5938, 0.2226, 0.3215



8.1924, 0.6381, 0.3315

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.



28.5938, 0.4283, 0.3695



28.5938, 0.2226, 0.3215



28.5938, 0.3637, 0.2835

Square

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



28.5938, 0.2226, 0.3215



28.5938, 0.2529, 0.2387



28.5938, 0.4109, 0.3246



28.5938, 0.3680, 0.4333

Rectangle

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



28.5938, 0.2226, 0.3215



28.5938, 0.2136, 0.2511



28.5938, 0.4109, 0.3246



28.5938, 0.4205, 0.3976

Sweetspot

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



28.5980, 0.2226, 0.3215



60.3442, 0.2695, 0.3269



27.2752, 0.2997, 0.5988



13.3010, 0.2645, 0.3266



84.8088, 0.3127, 0.3290



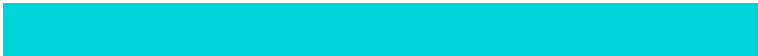
15.4872, 0.3127, 0.3290

Same Dimension

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



28.5980, 0.2226, 0.3215



51.8617, 0.2226, 0.3214



8.5237, 0.1760, 0.1536



8.5007, 0.2987, 0.3284



22.1893, 0.2227, 0.3216



0.5491, 0.2234, 0.3241

Inverse Universe

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



10.7151, 0.3269, 0.1575



19.4445, 0.3271, 0.1575



14.7236, 0.5347, 0.4136



7.6635, 0.3141, 0.3073



8.3111, 0.3269, 0.1574



0.2031, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 28.5938, 0.2226, 0.3215 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 28.5938, 0.2226, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

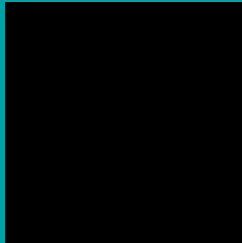
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5938, 0.2226, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 28.5938, 0.2226, 0.3215.

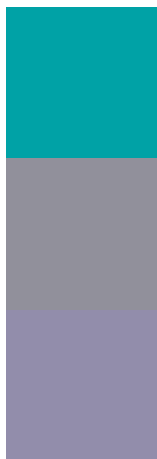


This preview shows how white text looks on a background with the Yxy color 28.5938, 0.2226, 0.3215.

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

28.5938, 0.2226, 0.3215

Protanopia

28.3328, 0.3032, 0.3116

Deuteranopia

28.1010, 0.2894, 0.2831



Tritanopia

28.7524, 0.2210, 0.3058

Trichromacy



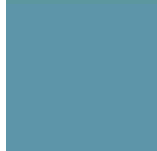
Original Color

28.5938, 0.2226, 0.3215



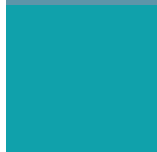
Protanomaly

26.9117, 0.2542, 0.3148



Deuteranomaly

26.6866, 0.2475, 0.2945



Tritanomaly

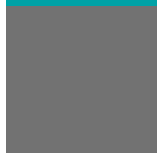
28.5402, 0.2212, 0.3108

Monochromacy



Original Color

28.5938, 0.2226, 0.3215



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.3425, 0.2535, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5938, 0.2226, 0.3215 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, 162, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 166)  
}
```

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, 162, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 166) }
```

Border

The CSS property to change the border of an element to Yxy 28.5938, 0.2226, 0.3215 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, 162, 166) }
```

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

```
.border{ border-color:rgb(0, 162, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5938, 0.2226, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 166) }
```

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

```
.background{ background-color: rgb(0, 162,  
166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor