

Converting Colors

$Yxy(28.1648, 0.2371, 0.3734)$

Have a look what the booklet for
 $\text{Yxy}(28.1648, 0.2371, 0.3734)$
contains.

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Color

Yxy(28.0878, 0.2371, 0.3735)

Conversions

Conversions Part 1

Format	Color
Hex	00A38C
RGB	0, 163, 140
RGB Percent	0%, 64%, 55%
CMY	0.9995, 0.3608, 0.4511
CMYK	1.00, 0.00, 0.14, 0.36
HSL	172°, 100%, 32%
HSV	172°, 100%, 64%
XYZ	17.8303, 28.0878, 29.2835
YIQ	111.6410, -89.7650, -41.7090

Conversions

Conversions Part 2

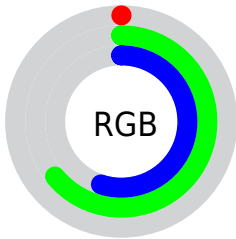
Format	Color
RYB	0, 88, 163
Decimal	41868
CIELab	59.97, -41.22, 1.88
CIELCh	60, 41.264, 177.386
Yxy	28.0878, 0.2371, 0.3735
Android (android.graphics.Color)	4278231948 (0xFF00A38C)
YUV	111.6410, 13.9810, -97.9092
Hunter-Lab	52.9979, -32.6929, 4.3384

Details

The Yxy color **28.0878, 0.2371, 0.3735** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.8518, 0.6193, 0.3186**, and the grayscale version is **16.0811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7374, 0.2528, 0.3652**, and **11.8900, 0.2403, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **28.0876, 0.2371, 0.3735**, and if you desaturate by 10%, it is **28.2707, 0.2376, 0.3686**.

Distribution



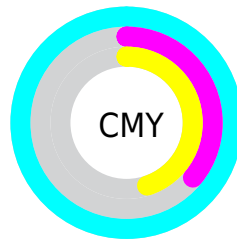
- Red (0%)
- Green (64%)
- Blue (55%)



- Red (0%)
- Yellow (35%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0878, 0.2371, 0.3735 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 28.0878, 0.2371, 0.3735 by changing the saturation by 10% instead.


 28.0878, 0.2371,
0.3735


 28.0878, 0.2371,
0.3735


 292.8862, 0.2778,
0.3493


 18.3919, 0.2259,
0.3803


 56.6246, 0.2526,
0.3642

 11.2317, 0.2110,
0.3894


 76.2342, 0.2583,
0.3609


 6.2229, 0.1900,
0.4024

 99.9172, 0.2629,
0.3581

 2.9811, 0.1588,
0.4222

 128.0579, 0.2668,
0.3558

 1.1219, 0.0190,
0.5012

 161.0408, 0.2702,
0.3538

 0.0000, 0.0000,
0.0000

 199.2502, 0.2731,

0.3521

243.0706, 0.2756,
0.3506

■ 28.0878, 0.2371,
0.3735

■ 28.0878, 0.2371,
0.3735

■ 28.0876, 0.2371,
0.3735

■ 28.2707, 0.2376,
0.3686

■ 28.5456, 0.2395,
0.3637

■ 28.9519, 0.2432,
0.3588

■ 29.5062, 0.2488,
0.3539

■ 30.2227, 0.2562,
0.3492

■ 31.1140, 0.2652,
0.3446

■ 32.1914, 0.2756,
0.3403

■ 33.4651, 0.2872,
0.3362

■ 34.9449, 0.2997,
0.3324

Harmonies

Analogous

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



28.0878, 0.2949, 0.4344



28.0878, 0.2371, 0.3735



28.0878, 0.2018, 0.3030

Triad

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



28.0878, 0.2371, 0.3735



28.0878, 0.2554, 0.2269



28.0878, 0.4471, 0.3862

Complementary

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



28.0878, 0.2371, 0.3735



7.8518, 0.6193, 0.3186

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.



28.0878, 0.4374, 0.3347



28.0878, 0.2371, 0.3735



28.0878, 0.3193, 0.2482

Square

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



28.0878, 0.2371, 0.3735



28.0878, 0.2119, 0.2268



28.0878, 0.3884, 0.2863



28.0878, 0.4173, 0.4315

Rectangle

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



28.0878, 0.2371, 0.3735



28.0878, 0.1933, 0.2658



28.0878, 0.3884, 0.2863



28.0878, 0.4486, 0.3692

Sweetspot

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



28.0889, 0.2371, 0.3735



57.5188, 0.2749, 0.3405



26.3966, 0.3047, 0.5962



12.7372, 0.2706, 0.3423



82.7571, 0.3127, 0.3290



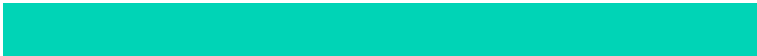
14.7319, 0.3127, 0.3290

Same Dimension

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



28.0889, 0.2371, 0.3735



50.2785, 0.2373, 0.3744



12.9518, 0.1921, 0.2115



7.9940, 0.3006, 0.3322



21.8336, 0.2370, 0.3731



0.4632, 0.2321, 0.3554

Inverse Universe

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



7.8518, 0.6193, 0.3186



14.0384, 0.6227, 0.3204



10.7259, 0.5816, 0.3763



7.1015, 0.3264, 0.3258



6.1041, 0.6178, 0.3177



0.1327, 0.5455, 0.2779

Previews

White Background



This preview shows how the Yxy color 28.0878, 0.2371, 0.3735 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 28.0878, 0.2371, 0.3735 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 28.0878, 0.2371, 0.3735

Background



This preview shows how black text looks on a background with the Yxy color 28.0878, 0.2371, 0.3735.

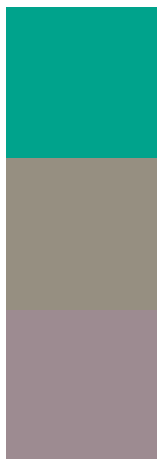


This preview shows how white text looks on a background with the Yxy color 28.0878, 0.2371, 0.3735.

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

28.0878, 0.2371, 0.3735

Protanopia

27.7139, 0.3345, 0.3517

Deuteranopia

27.6777, 0.3263, 0.3197



Tritanopia

28.2944, 0.2264, 0.3075

Trichromacy



Original Color

28.0878, 0.2371, 0.3735



Protanomaly

25.9390, 0.2760, 0.3605



Deuteranomaly

25.8723, 0.2717, 0.3379



Tritanomaly

27.9409, 0.2285, 0.3288

Monochromacy



Original Color

28.0878, 0.2371, 0.3735



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.9773, 0.2609, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0878, 0.2371, 0.3735 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 140) }
```

Border

The CSS property to change the border of an element to Yxy 28.0878, 0.2371, 0.3735 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, 140) }
```

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

```
.border{ border-color:rgb(0, 163, 140) }
```

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, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0878, 0.2371, 0.3735 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, 140) }
```

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

```
.background{ background-color: rgb(0, 163,  
140) }
```

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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