

Converting Colors

$Yxy(22.0401, 0.1123, 0.3072)$

Have a look what the booklet for
Yxy(22.0401, 0.1123, 0.3072)
contains.

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Color

Yxy(28.0439, 0.2196, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	00A0AA
RGB	0, 160, 170
RGB Percent	0%, 63%, 67%
CMY	1.0000, 0.3725, 0.3334
CMYK	1.00, 0.06, 0.00, 0.33
HSL	184°, 100%, 33%
HSV	184°, 100%, 67%
XYZ	19.8212, 28.0439, 42.3953
YIQ	113.3000, -98.5700, -30.8100

Conversions

Conversions Part 2

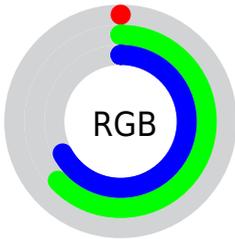
Format	Color
RYB	0, 82, 170
Decimal	41130
CIELab	59.93, -30.77, -15.13
CIELCh	60, 34.291, 206.187
Yxy	28.0439, 0.2196, 0.3107
Android (android.graphics.Color)	4278231210 (0xFF00A0AA)
YUV	113.3000, 27.9531, -99.3641
Hunter-Lab	52.9565, -25.8628, -10.3962

Details

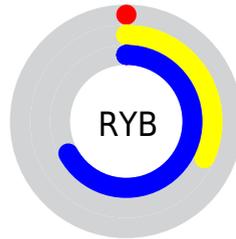
The Yxy color **28.0439, 0.2196, 0.3107** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.7621, 0.6354, 0.3337**, and the grayscale version is **16.5466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4168, 0.2377, 0.3155**, and **12.0331, 0.2176, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **28.0481, 0.2196, 0.3107**, and if you desaturate by 10%, it is **28.5148, 0.2218, 0.3126**.

Distribution



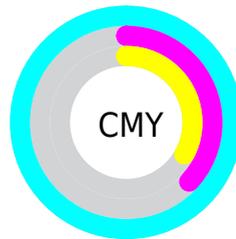
- Red (0%)
- Green (63%)
- Blue (67%)



- Red (0%)
- Yellow (32%)
- Blue (67%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (37%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0439, 0.2196, 0.3107 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 28.0439, 0.2196, 0.3107 by changing the saturation by 10% instead.

 28.0439, 0.2196,
0.3107

 28.0439, 0.2196,
0.3107

 292.6766, 0.2684,
0.3222

 18.3588, 0.2069,
0.3069

 56.5545, 0.2378,
0.3155

 11.2079, 0.1902,
0.3015

 76.1488, 0.2445,
0.3171

 6.2068, 0.1678,
0.2930

 99.8149, 0.2501,
0.3184

 2.9712, 0.1363,
0.2788

 127.9372, 0.2548,
0.3194

 1.1167, 0.0678,
0.2581

 160.9001, 0.2589,
0.3203

 0.0000, 0.0000,
0.0000

 199.0881, 0.2625,

0.3210

242.8855, 0.2656,
0.3216

■ 28.0439, 0.2196,
0.3107

■ 28.0439, 0.2196,
0.3107

■ 28.0481, 0.2196,
0.3107

■ 28.5148, 0.2218,
0.3126

■ 29.0860, 0.2253,
0.3146

■ 29.8028, 0.2307,
0.3165

■ 30.6838, 0.2379,
0.3185

■ 31.7448, 0.2469,
0.3204

■ 32.9998, 0.2576,
0.3223

■ 34.4612, 0.2698,
0.3242

■ 36.1405, 0.2832,
0.3259

■ 38.0485, 0.2976,
0.3275

Harmonies

Analogous

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



28.0439, 0.2513, 0.3683



28.0439, 0.2196, 0.3107



28.0439, 0.2111, 0.2660

Triad

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



28.0439, 0.2196, 0.3107



28.0439, 0.3164, 0.2592



28.0439, 0.4028, 0.4151

Complementary

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



28.0439, 0.2196, 0.3107



8.7621, 0.6354, 0.3337

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.



28.0439, 0.4255, 0.3776



28.0439, 0.2196, 0.3107



28.0439, 0.3737, 0.2918

Square

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



28.0439, 0.2196, 0.3107



28.0439, 0.2629, 0.2416



28.0439, 0.4152, 0.3336



28.0439, 0.3567, 0.4325

Rectangle

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



28.0439, 0.2196, 0.3107



28.0439, 0.2186, 0.2481



28.0439, 0.4152, 0.3336



28.0439, 0.4136, 0.4040

Sweetspot

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



28.0481, 0.2196, 0.3107



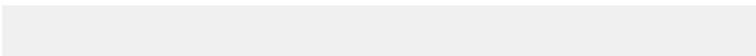
62.3764, 0.2691, 0.3241



28.7660, 0.2990, 0.5965



13.6595, 0.2640, 0.3233



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.



28.0481, 0.2196, 0.3107



50.7801, 0.2196, 0.3104



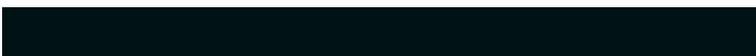
8.1398, 0.1729, 0.1426



8.4555, 0.2987, 0.3276



20.6627, 0.2197, 0.3109



0.5246, 0.2215, 0.3173

Inverse Universe

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



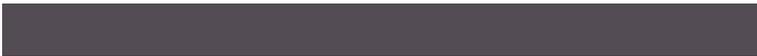
11.0839, 0.3361, 0.1625



20.1006, 0.3364, 0.1627



16.4617, 0.5253, 0.4211



7.6589, 0.3146, 0.3080



8.1570, 0.3359, 0.1624



0.2007, 0.3305, 0.1594

Previews

White Background



This preview shows how the Yxy color 28.0439, 0.2196, 0.3107 looks on a white background.

Color Contrast Check

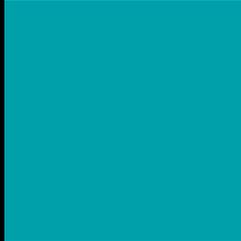
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0439, 0.2196, 0.3107 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

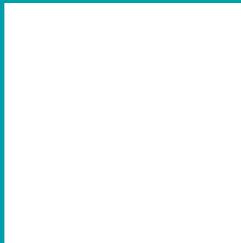
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.0439, 0.2196, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 28.0439, 0.2196, 0.3107.



This preview shows how white text looks on a background with the Yxy color 28.0439, 0.2196, 0.3107.

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

28.0439, 0.2196, 0.3107

Protanopia

27.8989, 0.2964, 0.3036

Deuteranopia

27.5629, 0.2828, 0.2767



Tritanopia

28.2603, 0.2196, 0.3055

Trichromacy



Original Color

28.0439, 0.2196, 0.3107



Protanomaly

26.3129, 0.2495, 0.3043



Deuteranomaly

26.0582, 0.2422, 0.2843



Tritanomaly

28.1847, 0.2196, 0.3072

Monochromacy



Original Color

28.0439, 0.2196, 0.3107



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.0642, 0.2515, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0439, 0.2196, 0.3107 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, 160, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 170)  
}
```

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, 160, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 170) }
```

Border

The CSS property to change the border of an element to Yxy 28.0439, 0.2196, 0.3107 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, 160, 170) }
```

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

```
.border{ border-color:rgb(0, 160, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
170) }
```

Background

The CSS property to change the background color of an element to Yxy 28.0439, 0.2196, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 170) }
```

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

```
.background{ background-color: rgb(0, 160,  
170) }
```

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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