

Converting Colors

$Yxy(28.0706, 0.2177, 0.3022)$

Have a look what the booklet for
Yxy(28.0706, 0.2177, 0.3022)
contains.

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Color

$\text{Yxy}(28.2299, 0.2182, 0.3038)$

Conversions

Conversions Part 1

Format	Color
Hex	05A0AE
RGB	5, 160, 174
RGB Percent	2%, 63%, 68%
CMY	0.9788, 0.3726, 0.3177
CMYK	0.97, 0.08, 0.00, 0.32
HSL	185°, 94%, 35%
HSV	185°, 97%, 68%
XYZ	20.2757, 28.2299, 44.4170
YIQ	115.2510, -96.8740, -28.5060

Conversions

Conversions Part 2

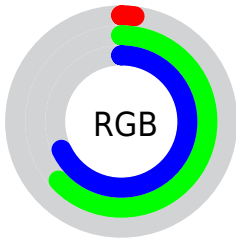
Format	Color
RYB	5, 86, 174
Decimal	368814
CIELab	60.10, -29.24, -17.13
CIELCh	60, 33.891, 210.359
Yxy	28.2299, 0.2182, 0.3038
Android (android.graphics.Color)	4278558894 (0xFF05A0AE)
YUV	115.2510, 28.9633, -96.6901
Hunter-Lab	53.1318, -24.8630, -12.3729

Details

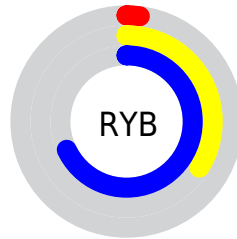
The Yxy color **28.2299, 0.2182, 0.3038** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.4883, 0.6270, 0.3357**, and the grayscale version is **17.1950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7448, 0.2367, 0.3104**, and **12.1303, 0.2149, 0.2938** is the 20% darker color. If you saturate the color by 10%, you get **28.0407, 0.2175, 0.3029**, and if you desaturate by 10%, it is **28.8794, 0.2209, 0.3066**.

Distribution



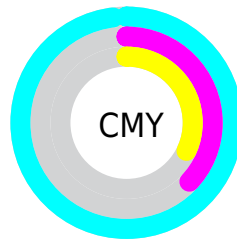
- Red (2%)
- Green (63%)
- Blue (68%)



- Red (2%)
- Yellow (34%)
- Blue (68%)



- Cyan (97%)
- Magenta (8%)
- Yellow (0%)
- Black (32%)





- Cyan (98%)
- Magenta (37%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2299, 0.2182, 0.3038 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 28.2299, 0.2182, 0.3038 by changing the saturation by 10% instead.


 28.2299, 0.2182,
0.3038


 28.2299, 0.2182,
0.3038


 293.5638, 0.2675,
0.3190


 18.4990, 0.2054,
0.2990


 56.8513, 0.2365,
0.3100


 11.3089, 0.1887,
0.2923


 76.5106, 0.2433,
0.3121

 6.2750, 0.1663,
0.2821


 100.2482, 0.2490,
0.3138

 3.0130, 0.1351,
0.2655

 128.4484, 0.2538,
0.3152

 1.1385, 0.0734,
0.2397

 161.4957, 0.2580,
0.3164

 0.0106, 0.0000,
0.0086

 199.7744, 0.2616,

 0.0000, 0.0000,

0.3174

0.0000

243.6690, 0.2647,
0.3183

■ 28.2299, 0.2182,
0.3038

■ 28.2299, 0.2182,
0.3038

■ 28.0407, 0.2175,
0.3029

■ 28.8794, 0.2209,
0.3066

■ 29.6641, 0.2252,
0.3094

■ 30.6118, 0.2314,
0.3122

■ 31.7411, 0.2395,
0.3150

■ 33.0681, 0.2494,
0.3177

■ 34.6072, 0.2608,
0.3204

■ 36.3711, 0.2736,
0.3230

■ 38.3717, 0.2875,
0.3254

■ 40.6202, 0.3023,
0.3276

Harmonies

Analogous

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



28.2299, 0.2465, 0.3598



28.2299, 0.2182, 0.3038



28.2299, 0.2131, 0.2624

Triad

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



28.2299, 0.2182, 0.3038



28.2299, 0.3244, 0.2637



28.2299, 0.3964, 0.4179

Complementary

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



28.2299, 0.2182, 0.3038



9.4883, 0.6270, 0.3357

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.



28.2299, 0.4226, 0.3829



28.2299, 0.2182, 0.3038



28.2299, 0.3799, 0.2976

Square

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



28.2299, 0.2182, 0.3038



28.2299, 0.2702, 0.2440



28.2299, 0.4172, 0.3397



28.2299, 0.3488, 0.4310

Rectangle

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



28.2299, 0.2182, 0.3038



28.2299, 0.2226, 0.2468



28.2299, 0.4172, 0.3397



28.2299, 0.4082, 0.4079

Sweetspot

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



28.2309, 0.2182, 0.3038



65.1055, 0.2701, 0.3223



30.3410, 0.2988, 0.5925



14.1715, 0.2648, 0.3212



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



28.2309, 0.2182, 0.3038



50.7121, 0.2174, 0.3025



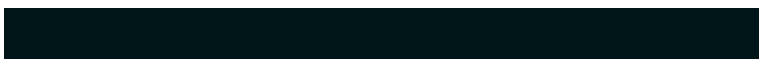
8.6046, 0.1738, 0.1429



8.9567, 0.2986, 0.3271



20.3835, 0.2176, 0.3033



0.5997, 0.2199, 0.3116

Inverse Universe

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



11.6524, 0.3420, 0.1670



20.8826, 0.3432, 0.1665



18.3039, 0.5152, 0.4261



8.1364, 0.3150, 0.3085



8.3608, 0.3426, 0.1661



0.2359, 0.3353, 0.1621

Previews

White Background



This preview shows how the Yxy color 28.2299, 0.2182, 0.3038 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 28.2299, 0.2182, 0.3038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

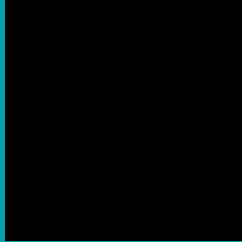
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2299, 0.2182, 0.3038

Background



This preview shows how black text looks on a background with the Yxy color 28.2299, 0.2182, 0.3038.

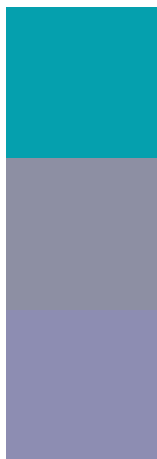


This preview shows how white text looks on a background with the Yxy color 28.2299, 0.2182, 0.3038.

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

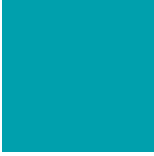
28.2299, 0.2182, 0.3038

Protanopia

27.9520, 0.2918, 0.2975

Deuteranopia

27.9268, 0.2786, 0.2725



Tritanopia

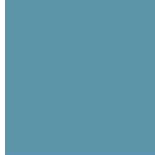
28.1587, 0.2182, 0.3055

Trichromacy



Original Color

28.2299, 0.2182, 0.3038



Protanomaly

26.5602, 0.2481, 0.2977



Deuteranomaly

26.6294, 0.2412, 0.2800



Tritanomaly

28.1716, 0.2184, 0.3055

Monochromacy



Original Color

28.2299, 0.2182, 0.3038



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.5060, 0.2526, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2299, 0.2182, 0.3038 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(5, 160, 174)` looks like.

```
.text, #text, p{  
    color:rgb(5, 160, 174)  
}
```

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(5, 160, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 160, 174) }
```

Border

The CSS property to change the border of an element to Yxy 28.2299, 0.2182, 0.3038 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(5, 160, 174) }
```

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

```
.border{ border-color:rgb(5, 160, 174) }
```

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

Here you see how a box with a 4 pixel rgb(5, 160, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 160, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 160, 174);  
box-shadow:4px 4px 4px 4px rgb(5, 160,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2299, 0.2182, 0.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 160, 174) }
```

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

```
.background{ background-color: rgb(5, 160,  
174) }
```

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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