

Converting Colors

$Yxy(25.1328, 0.2232, 0.3236)$

Have a look what the booklet for
Yxy(25.1328, 0.2232, 0.3236)
contains.

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Color

$\text{Yxy}(25.1828, 0.2231, 0.3230)$

Conversions

Conversions Part 1

Format	Color
Hex	00999C
RGB	0, 153, 156
RGB Percent	0%, 60%, 61%
CMY	0.9985, 0.4000, 0.3883
CMYK	1.00, 0.02, 0.00, 0.39
HSL	181°, 100%, 31%
HSV	181°, 100%, 61%
XYZ	17.3941, 25.1828, 35.3885
YIQ	107.5950, -92.1510, -31.5030

Conversions

Conversions Part 2

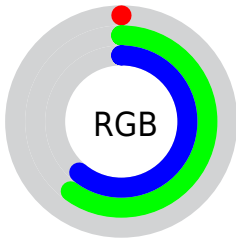
Format	Color
RYB	0, 77, 156
Decimal	39324
CIELab	57.25, -31.87, -11.21
CIELCh	57, 33.787, 199.378
Yxy	25.1828, 0.2231, 0.3230
Android (android.graphics.Color)	4278229404 (0xFF00999C)
YUV	107.5950, 23.8637, -94.3608
Hunter-Lab	50.1825, -25.9483, -6.6833

Details

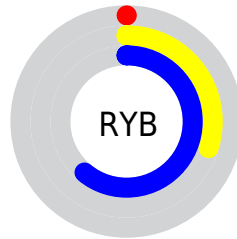
The Yxy color **25.1828, 0.2231, 0.3230** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.1401, 0.6378, 0.3313**, and the grayscale version is **14.8608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9890, 0.2414, 0.3260**, and **10.3273, 0.2216, 0.3177** is the 20% darker color. If you saturate the color by 10%, you get **25.1789, 0.2231, 0.3230**, and if you desaturate by 10%, it is **25.3893, 0.2250, 0.3236**.

Distribution



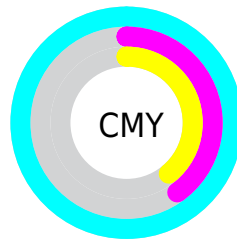
- Red (0%)
- Green (60%)
- Blue (61%)



- Red (0%)
- Yellow (30%)
- Blue (61%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (39%)





- Cyan (100%)
- Magenta (40%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1828, 0.2231, 0.3230 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 25.1828, 0.2231, 0.3230 by changing the saturation by 10% instead.


 25.1828, 0.2231,
0.3230


 25.1828, 0.2231,
0.3230


278.7471, 0.2711,
0.3277


 16.2133, 0.2101,
0.3210

 51.9536, 0.2413,
0.3252


 9.6752, 0.1930,
0.3179


 70.5237, 0.2479,
0.3259

 5.1842, 0.1693,
0.3126

 93.0628, 0.2534,
0.3264

 2.3557, 0.1351,
0.3023

 119.9553, 0.2580,
0.3268

 0.8030, 0.0000,
0.3041

 151.5856, 0.2620,
0.3271

 0.0000, 0.0000,
0.0000

 188.3381, 0.2654,

0.3274

230.5971, 0.2684,
0.3276

■ 25.1828, 0.2231,
0.3230

■ 25.1828, 0.2231,
0.3230

■ 25.1789, 0.2231,
0.3230

■ 25.3893, 0.2250,
0.3236

■ 25.6781, 0.2282,
0.3242

■ 26.0848, 0.2331,
0.3249

■ 26.6245, 0.2399,
0.3255

■ 27.3097, 0.2485,
0.3261

■ 28.1516, 0.2588,
0.3268

■ 29.1605, 0.2707,
0.3274

■ 30.3455, 0.2839,
0.3279

■ 31.7151, 0.2981,
0.3285

Harmonies

Analogous

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



25.1828, 0.2603, 0.3822



25.1828, 0.2231, 0.3230



25.1828, 0.2090, 0.2731

Triad

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



25.1828, 0.2231, 0.3230



25.1828, 0.3031, 0.2523



25.1828, 0.4124, 0.4092

Complementary

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



25.1828, 0.2231, 0.3230



7.1401, 0.6378, 0.3313

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.



25.1828, 0.4286, 0.3684



25.1828, 0.2231, 0.3230



25.1828, 0.3623, 0.2824

Square

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



25.1828, 0.2231, 0.3230



25.1828, 0.2516, 0.2384



25.1828, 0.4102, 0.3234



25.1828, 0.3695, 0.4333

Rectangle

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



25.1828, 0.2231, 0.3230



25.1828, 0.2131, 0.2515



25.1828, 0.4102, 0.3234



25.1828, 0.4213, 0.3967

Sweetspot

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



25.1837, 0.2231, 0.3230



52.8110, 0.2697, 0.3273



23.7802, 0.2997, 0.5985



11.4575, 0.2649, 0.3271



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



25.1837, 0.2231, 0.3230



45.7079, 0.2230, 0.3229



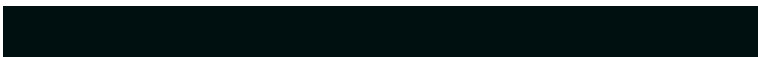
7.5144, 0.1764, 0.1549



7.4876, 0.2988, 0.3285



20.7508, 0.2231, 0.3230



0.3772, 0.2238, 0.3255

Inverse Universe

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



9.3743, 0.3257, 0.1569



17.0115, 0.3258, 0.1568



12.9185, 0.5335, 0.4143



6.7524, 0.3140, 0.3074



7.7170, 0.3257, 0.1568



0.1386, 0.3236, 0.1556

Previews

White Background



This preview shows how the Yxy color 25.1828, 0.2231, 0.3230 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 25.1828, 0.2231, 0.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

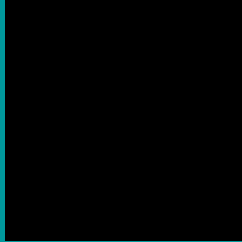
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1828, 0.2231, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 25.1828, 0.2231, 0.3230.

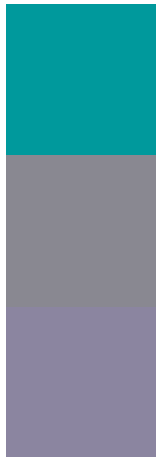


This preview shows how white text looks on a background with the Yxy color 25.1828, 0.2231, 0.3230.

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

25.1828, 0.2231, 0.3230

Protanopia

24.9710, 0.3047, 0.3140

Deuteranopia

24.8021, 0.2921, 0.2854



Tritanopia

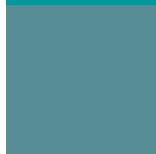
25.3435, 0.2216, 0.3064

Trichromacy



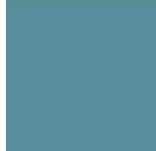
Original Color

25.1828, 0.2231, 0.3230



Protanomaly

23.5422, 0.2553, 0.3158



Deuteranomaly

23.3832, 0.2488, 0.2945



Tritanomaly

25.1398, 0.2217, 0.3117

Monochromacy



Original Color

25.1828, 0.2231, 0.3230



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

17.1612, 0.2544, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1828, 0.2231, 0.3230 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, 153, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 156)  
}
```

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, 153, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 156) }
```

Border

The CSS property to change the border of an element to Yxy 25.1828, 0.2231, 0.3230 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, 153, 156) }
```

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

```
.border{ border-color:rgb(0, 153, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1828, 0.2231, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 156) }
```

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

```
.background{ background-color: rgb(0, 153,  
156) }
```

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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