

Converting Colors

$Yxy(25.4021, 0.2190, 0.3083)$

Have a look what the booklet for
Yxy(25.4021, 0.2190, 0.3083)
contains.

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Color

Yxy(25.4628, 0.2189, 0.3081)

Conversions

Conversions Part 1

Format	Color
Hex	0099A4
RGB	0, 153, 164
RGB Percent	0%, 60%, 64%
CMY	1.0000, 0.4000, 0.3568
CMYK	1.00, 0.07, 0.00, 0.36
HSL	184°, 100%, 32%
HSV	184°, 100%, 64%
XYZ	18.0909, 25.4628, 39.0909
YIQ	108.5070, -94.7190, -29.0150

Conversions

Conversions Part 2

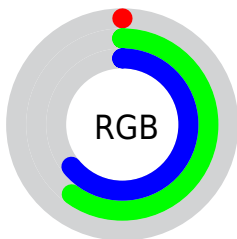
Format	Color
RYB	0, 79, 164
Decimal	39332
CIELab	57.52, -29.30, -15.38
CIELCh	58, 33.090, 207.700
Yxy	25.4628, 0.2189, 0.3081
Android (android.graphics.Color)	4278229412 (0xFF0099A4)
YUV	108.5070, 27.3580, -95.1606
Hunter-Lab	50.4607, -24.3113, -10.6083

Details

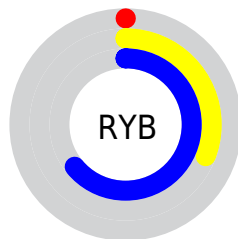
The Yxy color **25.4628, 0.2189, 0.3081** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.1339, 0.6345, 0.3344**, and the grayscale version is **15.0891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5015, 0.2376, 0.3138**, and **10.4772, 0.2165, 0.2993** is the 20% darker color. If you saturate the color by 10%, you get **25.4652, 0.2189, 0.3081**, and if you desaturate by 10%, it is **25.9411, 0.2212, 0.3103**.

Distribution



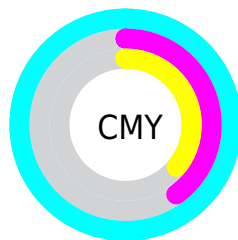
- Red (0%)
- Green (60%)
- Blue (64%)



- Red (0%)
- Yellow (31%)
- Blue (64%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (36%)





- Cyan (100%)
- Magenta (40%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4628, 0.2189, 0.3081 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 25.4628, 0.2189, 0.3081 by changing the saturation by 10% instead.


 25.4628, 0.2189,
0.3081


 25.4628, 0.2189,
0.3081


 280.1349, 0.2687,
0.3212


 16.4222, 0.2056,
0.3038


 52.4070, 0.2377,
0.3136


 9.8234, 0.1881,
0.2975


 71.0794, 0.2445,
0.3154


 5.2820, 0.1643,
0.2877

 93.7312, 0.2502,
0.3169

 2.4137, 0.1305,
0.2709

 120.7468, 0.2551,
0.3180

 0.8329, 0.0232,
0.2530

 152.5106, 0.2592,
0.3190

 0.0000, 0.0000,
0.0000

 189.4069, 0.2628,

0.3198

231.8203, 0.2660,
0.3206

■ 25.4628, 0.2189,
0.3081

■ 25.4628, 0.2189,
0.3081

■ 25.4652, 0.2189,
0.3081

■ 25.9411, 0.2212,
0.3103

■ 26.5129, 0.2249,
0.3125

■ 27.2198, 0.2304,
0.3148

■ 28.0785, 0.2377,
0.3170

■ 29.1037, 0.2468,
0.3192

■ 30.3079, 0.2576,
0.3214

■ 31.7028, 0.2698,
0.3235

■ 33.2988, 0.2833,
0.3255

■ 35.1056, 0.2977,
0.3273

Harmonies

Analogous

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



25.4628, 0.2494, 0.3652



25.4628, 0.2189, 0.3081



25.4628, 0.2116, 0.2645

Triad

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



25.4628, 0.2189, 0.3081



25.4628, 0.3193, 0.2607



25.4628, 0.4007, 0.4163

Complementary

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



25.4628, 0.2189, 0.3081



8.1339, 0.6345, 0.3344

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.



25.4628, 0.4247, 0.3796



25.4628, 0.2189, 0.3081



25.4628, 0.3761, 0.2938

Square

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



25.4628, 0.2189, 0.3081



25.4628, 0.2655, 0.2423



25.4628, 0.4161, 0.3358



25.4628, 0.3539, 0.4322

Rectangle

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



25.4628, 0.2189, 0.3081



25.4628, 0.2199, 0.2475



25.4628, 0.4161, 0.3358



25.4628, 0.4118, 0.4056

Sweetspot

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



25.4652, 0.2189, 0.3081



57.3804, 0.2691, 0.3234



26.5811, 0.2987, 0.5952



12.3161, 0.2641, 0.3226



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.



25.4652, 0.2189, 0.3081



46.0901, 0.2188, 0.3077



7.1969, 0.1716, 0.1379



7.9295, 0.2988, 0.3274



19.5486, 0.2190, 0.3083



0.4334, 0.2212, 0.3163

Inverse Universe

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



10.1944, 0.3383, 0.1638



18.4879, 0.3387, 0.1639



15.7130, 0.5202, 0.4252



7.1939, 0.3147, 0.3083



7.8176, 0.3382, 0.1637



0.1665, 0.3313, 0.1599

Previews

White Background



This preview shows how the Yxy color 25.4628, 0.2189, 0.3081 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 25.4628, 0.2189, 0.3081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

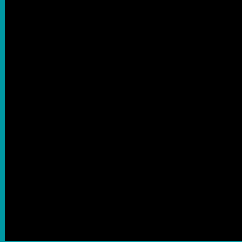
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4628, 0.2189, 0.3081

Background



This preview shows how black text looks on a background with the Yxy color 25.4628, 0.2189, 0.3081.

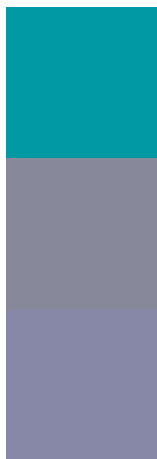


This preview shows how white text looks on a background with the Yxy color 25.4628, 0.2189, 0.3081.

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

25.4628, 0.2189, 0.3081

Protanopia

25.0591, 0.2947, 0.3009

Deuteranopia

25.3060, 0.2808, 0.2763



Tritanopia

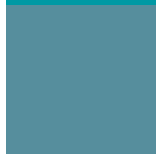
25.5702, 0.2195, 0.3064

Trichromacy



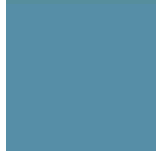
Original Color

25.4628, 0.2189, 0.3081



Protanomaly

23.7588, 0.2487, 0.3015



Deuteranomaly

24.1145, 0.2418, 0.2846



Tritanomaly

25.5442, 0.2191, 0.3064

Monochromacy



Original Color

25.4628, 0.2189, 0.3081



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.5174, 0.2514, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4628, 0.2189, 0.3081 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 164) }
```

Border

The CSS property to change the border of an element to Yxy 25.4628, 0.2189, 0.3081 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, 164) }
```

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

```
.border{ border-color:rgb(0, 153, 164) }
```

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, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4628, 0.2189, 0.3081 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, 164) }
```

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

```
.background{ background-color: rgb(0, 153,  
164) }
```

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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