

Converting Colors

$Y_{xy}(19.5120, 0.1072, 0.2924)$

Have a look what the booklet for
Yxy(19.5120, 0.1072, 0.2924)
contains.

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Color

$Y_{xy}(25.2465, 0.2169, 0.3008)$

Conversions

Conversions Part 1

Format	Color
Hex	0098A7
RGB	0, 152, 167
RGB Percent	0%, 60%, 65%
CMY	0.9998, 0.4039, 0.3450
CMYK	1.00, 0.09, 0.00, 0.35
HSL	185°, 100%, 33%
HSV	185°, 100%, 65%
XYZ	18.2047, 25.2465, 40.4800
YIQ	108.2620, -95.4070, -27.5590

Conversions

Conversions Part 2

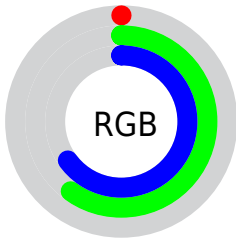
Format	Color
RYB	0, 80, 167
Decimal	39079
CIELab	57.31, -27.80, -17.41
CIELCh	57, 32.796, 212.054
Yxy	25.2465, 0.2169, 0.3008
Android (android.graphics.Color)	4278229159 (0xFF0098A7)
YUV	108.2620, 28.9578, -94.9458
Hunter-Lab	50.2459, -23.2577, -12.5942

Details

The Yxy color **25.2465, 0.2169, 0.3008** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.5611, 0.6324, 0.3360**, and the grayscale version is **15.0165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2267, 0.2363, 0.3085**, and **10.3521, 0.2136, 0.2890** is the 20% darker color. If you saturate the color by 10%, you get **25.2453, 0.2169, 0.3008**, and if you desaturate by 10%, it is **25.8547, 0.2195, 0.3038**.

Distribution



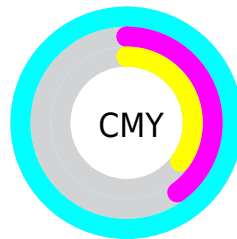
- Red (0%)
- Green (60%)
- Blue (65%)



- Red (0%)
- Yellow (31%)
- Blue (65%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (35%)





- Cyan (100%)
- Magenta (40%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2465, 0.2169, 0.3008 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 25.2465, 0.2169, 0.3008 by changing the saturation by 10% instead.


 25.2465, 0.2169,
0.3008


 25.2465, 0.2169,
0.3008


 279.0633, 0.2677,
0.3179


 16.2608, 0.2034,
0.2954


 52.0568, 0.2360,
0.3078


 9.7089, 0.1857,
0.2876


 70.6503, 0.2430,
0.3102


 5.2064, 0.1616,
0.2757

 93.2151, 0.2488,
0.3121

 2.3689, 0.1276,
0.2559

 120.1356, 0.2538,
0.3137

 0.8098, 0.0260,
0.2312

 151.7963, 0.2580,
0.3150

 0.0000, 0.0000,
0.0000

 188.5816, 0.2617,

0.3161

230.8758, 0.2649,
0.3171

■ 25.2465, 0.2169,
0.3008

■ 25.2465, 0.2169,
0.3008

■ 25.2453, 0.2169,
0.3008

■ 25.8547, 0.2195,
0.3038

■ 26.5657, 0.2234,
0.3068

■ 27.4201, 0.2291,
0.3099

■ 28.4358, 0.2367,
0.3129

■ 29.6278, 0.2461,
0.3159

■ 31.0095, 0.2572,
0.3189

■ 32.5929, 0.2696,
0.3216

■ 34.3891, 0.2832,
0.3243

■ 36.4081, 0.2977,
0.3267

Harmonies

Analogous

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



25.2465, 0.2441, 0.3567



25.2465, 0.2169, 0.3008



25.2465, 0.2131, 0.2604

Triad

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



25.2465, 0.2169, 0.3008



25.2465, 0.3278, 0.2651



25.2465, 0.3945, 0.4197

Complementary

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



25.2465, 0.2169, 0.3008



8.5611, 0.6324, 0.3360

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.



25.2465, 0.4224, 0.3854



25.2465, 0.2169, 0.3008



25.2465, 0.3830, 0.2997

Square

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



25.2465, 0.2169, 0.3008



25.2465, 0.2727, 0.2443



25.2465, 0.4189, 0.3422



25.2465, 0.3458, 0.4313

Rectangle

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



25.2465, 0.2169, 0.3008



25.2465, 0.2235, 0.2455



25.2465, 0.4189, 0.3422



25.2465, 0.4068, 0.4101

Sweetspot

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



25.2474, 0.2169, 0.3008



58.1853, 0.2689, 0.3215



27.6753, 0.2983, 0.5939



12.7555, 0.2637, 0.3204



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



25.2474, 0.2169, 0.3008



45.0454, 0.2167, 0.3003



7.1245, 0.1702, 0.1326



8.4150, 0.2987, 0.3269



19.3509, 0.2170, 0.3011



0.5031, 0.2197, 0.3110

Inverse Universe

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



10.4855, 0.3447, 0.1673



18.7564, 0.3452, 0.1675



16.8503, 0.5155, 0.4288



7.6548, 0.3151, 0.3087



8.0245, 0.3445, 0.1671



0.1985, 0.3358, 0.1624

Previews

White Background



This preview shows how the Yxy color 25.2465, 0.2169, 0.3008 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 25.2465, 0.2169, 0.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

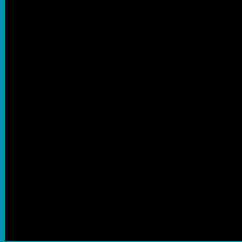
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2465, 0.2169, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 25.2465, 0.2169, 0.3008.

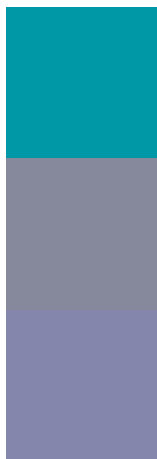


This preview shows how white text looks on a background with the Yxy color 25.2465, 0.2169, 0.3008.

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

25.2465, 0.2169, 0.3008

Protanopia

25.0770, 0.2908, 0.2960

Deuteranopia

24.9770, 0.2761, 0.2699



Tritanopia

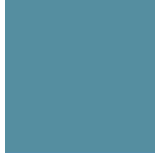
25.1731, 0.2179, 0.3044

Trichromacy



Original Color

25.2465, 0.2169, 0.3008



Protanomaly

23.8154, 0.2458, 0.2962



Deuteranomaly

23.8833, 0.2388, 0.2778



Tritanomaly

25.2096, 0.2174, 0.3026

Monochromacy



Original Color

25.2465, 0.2169, 0.3008



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

17.2655, 0.2510, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2465, 0.2169, 0.3008 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, 152, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 167)  
}
```

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, 152, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 167) }
```

Border

The CSS property to change the border of an element to Yxy 25.2465, 0.2169, 0.3008 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, 152, 167) }
```

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

```
.border{ border-color:rgb(0, 152, 167) }
```

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

Here you see how a box with a 4 pixel rgb(0, 152, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2465, 0.2169, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 167) }
```

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

```
.background{ background-color: rgb(0, 152,  
167) }
```

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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