

Converting Colors

$Yxy(22.3779, 0.1838, 0.2948)$

Have a look what the booklet for
Yxy(22.3779, 0.1838, 0.2948)
contains.

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Color

Yxy(24.2481, 0.2158, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	0095A6
RGB	0, 149, 166
RGB Percent	0%, 58%, 65%
CMY	0.9993, 0.4157, 0.3491
CMYK	1.00, 0.10, 0.00, 0.35
HSL	186°, 100%, 33%
HSV	186°, 100%, 65%
XYZ	17.6305, 24.2481, 39.8198
YIQ	106.3870, -94.2610, -26.3010

Conversions

Conversions Part 2

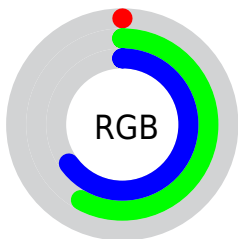
Format	Color
RYB	0, 79, 166
Decimal	38310
CIELab	56.34, -26.64, -18.31
CIELCh	56, 32.322, 214.502
Yxy	24.2481, 0.2158, 0.2968
Android (android.graphics.Color)	4278228390 (0xFF0095A6)
YUV	106.3870, 29.3892, -93.3014
Hunter-Lab	49.2424, -22.2647, -13.4752

Details

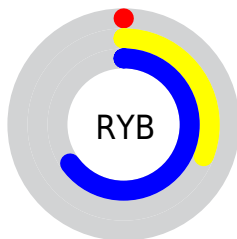
The Yxy color **24.2481, 0.2158, 0.2968** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.5114, 0.6308, 0.3371**, and the grayscale version is **14.4763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2076, 0.2352, 0.3041**, and **9.9503, 0.2128, 0.2859** is the 20% darker color. If you saturate the color by 10%, you get **24.2424, 0.2158, 0.2968**, and if you desaturate by 10%, it is **24.9068, 0.2185, 0.3002**.

Distribution



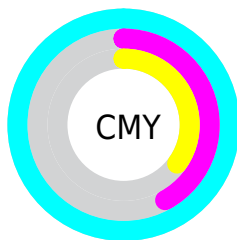
- Red (0%)
- Green (58%)
- Blue (65%)



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



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (35%)





- Cyan (100%)
- Magenta (42%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2481, 0.2158, 0.2968 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 24.2481, 0.2158, 0.2968 by changing the saturation by 10% instead.


 24.2481, 0.2158,
0.2968


 24.2481, 0.2158,
0.2968


 274.0724, 0.2675,
0.3162


 15.5178, 0.2020,
0.2907


 50.4348, 0.2353,
0.3047

 9.1836, 0.1838,
0.2819


 68.6599, 0.2424,
0.3074


 4.8611, 0.1590,
0.2686

 90.8187, 0.2483,
0.3096

 2.1660, 0.1240,
0.2466

 117.2956, 0.2534,
0.3114

 0.7014, 0.0051,
0.2182

 148.4751, 0.2576,
0.3129

 0.0000, 0.0000,
0.0000

 184.7414, 0.2614,

0.3142

226.4791, 0.2646,
0.3152

■ 24.2481, 0.2158,
0.2968

■ 24.2481, 0.2158,
0.2968

■ 24.2424, 0.2158,
0.2968

■ 24.9068, 0.2185,
0.3002

■ 25.6690, 0.2226,
0.3037

■ 26.5746, 0.2285,
0.3072

■ 27.6409, 0.2363,
0.3107

■ 28.8831, 0.2459,
0.3141

■ 30.3141, 0.2570,
0.3175

■ 31.9457, 0.2696,
0.3207

■ 33.7890, 0.2833,
0.3237

■ 35.8538, 0.2978,
0.3265

Harmonies

Analogous

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



24.2481, 0.2411, 0.3519



24.2481, 0.2158, 0.2968



24.2481, 0.2139, 0.2581

Triad

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



24.2481, 0.2158, 0.2968



24.2481, 0.3325, 0.2675



24.2481, 0.3911, 0.4217

Complementary

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



24.2481, 0.2158, 0.2968



8.5114, 0.6308, 0.3371

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.



24.2481, 0.4211, 0.3886



24.2481, 0.2158, 0.2968



24.2481, 0.3868, 0.3030

Square

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



24.2481, 0.2158, 0.2968



24.2481, 0.2769, 0.2455



24.2481, 0.4203, 0.3458



24.2481, 0.3413, 0.4306

Rectangle

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



24.2481, 0.2158, 0.2968



24.2481, 0.2255, 0.2445



24.2481, 0.4203, 0.3458



24.2481, 0.4039, 0.4126

Sweetspot

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



24.2490, 0.2158, 0.2968



57.7832, 0.2687, 0.3205



27.3078, 0.2979, 0.5922



12.6540, 0.2635, 0.3192



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.



24.2490, 0.2158, 0.2968



43.8253, 0.2156, 0.2961



6.7083, 0.1689, 0.1279



8.3988, 0.2987, 0.3266



18.8420, 0.2159, 0.2971



0.4947, 0.2190, 0.3085

Inverse Universe

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



10.2790, 0.3482, 0.1693



18.6332, 0.3488, 0.1695



17.1547, 0.5106, 0.4326



7.6532, 0.3152, 0.3090



7.9732, 0.3480, 0.1691



0.1976, 0.3380, 0.1636

Previews

White Background



This preview shows how the Yxy color 24.2481, 0.2158, 0.2968 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 24.2481, 0.2158, 0.2968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

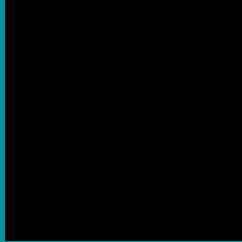
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2481, 0.2158, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 24.2481, 0.2158, 0.2968.

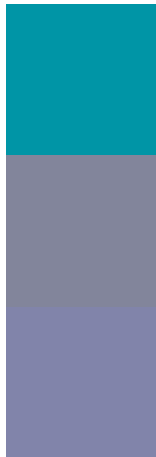


This preview shows how white text looks on a background with the Yxy color 24.2481, 0.2158, 0.2968.

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

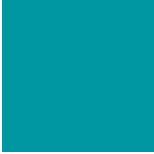
24.2481, 0.2158, 0.2968

Protanopia

23.8874, 0.2875, 0.2921

Deuteranopia

24.0719, 0.2728, 0.2674



Tritanopia

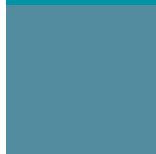
24.4213, 0.2183, 0.3059

Trichromacy



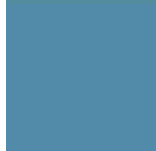
Original Color

24.2481, 0.2158, 0.2968



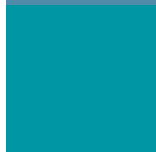
Protanomaly

22.8074, 0.2441, 0.2922



Deuteranomaly

22.8354, 0.2364, 0.2736



Tritanomaly

24.4570, 0.2178, 0.3041

Monochromacy



Original Color

24.2481, 0.2158, 0.2968



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

16.7065, 0.2503, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2481, 0.2158, 0.2968 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, 149, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 166)  
}
```

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, 149, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 166) }
```

Border

The CSS property to change the border of an element to Yxy 24.2481, 0.2158, 0.2968 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, 149, 166) }
```

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

```
.border{ border-color:rgb(0, 149, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 149, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2481, 0.2158, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 166) }
```

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

```
.background{ background-color: rgb(0, 149,  
166) }
```

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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