

Converting Colors

$Yxy(21.5995, 0.1613, 0.3058)$

Have a look what the booklet for
Yxy(21.5995, 0.1613, 0.3058)
contains.

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Color

Yxy(24.7419, 0.2189, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	0097A2
RGB	0, 151, 162
RGB Percent	0%, 59%, 64%
CMY	0.9987, 0.4079, 0.3648
CMYK	1.00, 0.07, 0.00, 0.36
HSL	184°, 100%, 32%
HSV	184°, 100%, 64%
XYZ	17.5901, 24.7419, 38.0249
YIQ	107.1050, -93.5270, -28.5910

Conversions

Conversions Part 2

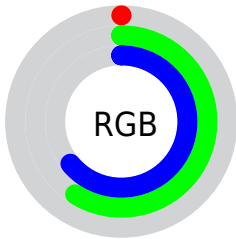
Format	Color
RYB	0, 78, 162
Decimal	38818
CIELab	56.82, -28.96, -15.29
CIELCh	57, 32.743, 207.828
Yxy	24.7419, 0.2189, 0.3079
Android (android.graphics.Color)	4278228898 (0xFF0097A2)
YUV	107.1050, 27.0632, -93.9311
Hunter-Lab	49.7412, -23.9237, -10.5056

Details

The Yxy color **24.7419, 0.2189, 0.3079** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.9277, 0.6339, 0.3345**, and the grayscale version is **14.7048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4277, 0.2379, 0.3137**, and **10.2401, 0.2171, 0.3016** is the 20% darker color. If you saturate the color by 10%, you get **24.7334, 0.2189, 0.3079**, and if you desaturate by 10%, it is **25.2117, 0.2213, 0.3101**.

Distribution



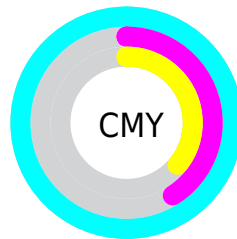
- Red (0%)
- Green (59%)
- Blue (64%)



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



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





- Cyan (100%)
- Magenta (41%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7419, 0.2189, 0.3079 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 24.7419, 0.2189, 0.3079 by changing the saturation by 10% instead.


 24.7419, 0.2189,
0.3079


 24.7419, 0.2189,
0.3079


 276.5501, 0.2690,
0.3211


 15.8849, 0.2055,
0.3035


 51.2382, 0.2378,
0.3135


 9.4427, 0.1877,
0.2971


 69.6463, 0.2447,
0.3153


 5.0311, 0.1635,
0.2870

 92.0068, 0.2504,
0.3168

 2.2655, 0.1289,
0.2696

 118.7042, 0.2553,
0.3180

 0.7554, 0.0037,
0.2530

 150.1228, 0.2595,
0.3190

 0.0000, 0.0000,
0.0000

 186.6471, 0.2631,

0.3198

228.6614, 0.2662,
0.3205

■ 24.7419, 0.2189,
0.3079

■ 24.7419, 0.2189,
0.3079

■ 24.7334, 0.2189,
0.3079

■ 25.2117, 0.2213,
0.3101

■ 25.7752, 0.2250,
0.3124

■ 26.4703, 0.2305,
0.3147

■ 27.3134, 0.2378,
0.3169

■ 28.3185, 0.2470,
0.3192

■ 29.4979, 0.2578,
0.3214

■ 30.8627, 0.2701,
0.3235

■ 32.4231, 0.2836,
0.3255

■ 34.1885, 0.2980,
0.3273

Harmonies

Analogous

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



24.7419, 0.2493, 0.3650



24.7419, 0.2189, 0.3079



24.7419, 0.2117, 0.2644

Triad

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



24.7419, 0.2189, 0.3079



24.7419, 0.3196, 0.2609



24.7419, 0.4004, 0.4163

Complementary

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



24.7419, 0.2189, 0.3079



7.9277, 0.6339, 0.3345

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.



24.7419, 0.4245, 0.3798



24.7419, 0.2189, 0.3079



24.7419, 0.3763, 0.2940

Square

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



24.7419, 0.2189, 0.3079



24.7419, 0.2657, 0.2424



24.7419, 0.4162, 0.3360



24.7419, 0.3536, 0.4321

Rectangle

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



24.7419, 0.2189, 0.3079



24.7419, 0.2200, 0.2475



24.7419, 0.4162, 0.3360



24.7419, 0.4116, 0.4057

Sweetspot

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



24.7428, 0.2189, 0.3079



55.8335, 0.2691, 0.3233



25.8630, 0.2986, 0.5949



12.3095, 0.2641, 0.3225



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.



24.7428, 0.2189, 0.3079



44.7868, 0.2187, 0.3074



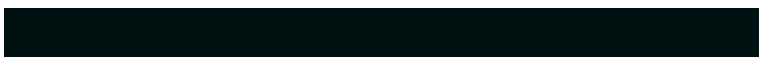
7.0388, 0.1718, 0.1384



7.9284, 0.2988, 0.3274



19.5140, 0.2189, 0.3081



0.4329, 0.2212, 0.3162

Inverse Universe

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



9.9216, 0.3385, 0.1639



17.9883, 0.3389, 0.1641



15.3243, 0.5197, 0.4254



7.1938, 0.3147, 0.3083



7.8141, 0.3384, 0.1638



0.1665, 0.3314, 0.1599

Previews

White Background



This preview shows how the Yxy color 24.7419, 0.2189, 0.3079 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 24.7419, 0.2189, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

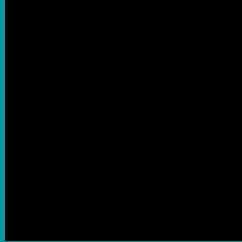
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7419, 0.2189, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 24.7419, 0.2189, 0.3079.

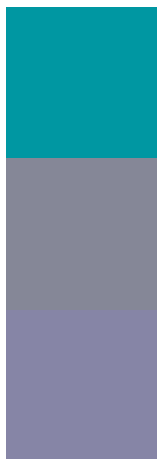


This preview shows how white text looks on a background with the Yxy color 24.7419, 0.2189, 0.3079.

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

24.7419, 0.2189, 0.3079

Protanopia

24.5489, 0.2945, 0.3022

Deuteranopia

24.5966, 0.2814, 0.2757



Tritanopia

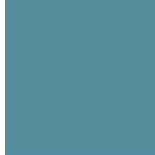
24.8421, 0.2194, 0.3061

Trichromacy



Original Color

24.7419, 0.2189, 0.3079



Protanomaly

23.3476, 0.2491, 0.3031



Deuteranomaly

23.4041, 0.2417, 0.2841



Tritanomaly

24.8163, 0.2190, 0.3061

Monochromacy



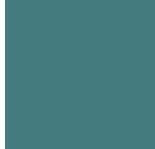
Original Color

24.7419, 0.2189, 0.3079



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

16.9272, 0.2515, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7419, 0.2189, 0.3079 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, 151, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 162)  
}
```

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, 151, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 162) }
```

Border

The CSS property to change the border of an element to Yxy 24.7419, 0.2189, 0.3079 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, 151, 162) }
```

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

```
.border{ border-color:rgb(0, 151, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7419, 0.2189, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 162) }
```

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

```
.background{ background-color: rgb(0, 151,  
162) }
```

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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