

Converting Colors

$Yxy(24.5138, 0.2099, 0.2946)$

Have a look what the booklet for
Yxy(24.5138, 0.2099, 0.2946)
contains.

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Color

Yxy(24.9978, 0.2154, 0.2954)

Conversions

Conversions Part 1

Format	Color
Hex	0097A9
RGB	0, 151, 169
RGB Percent	0%, 59%, 66%
CMY	0.9998, 0.4078, 0.3373
CMYK	1.00, 0.11, 0.00, 0.34
HSL	186°, 100%, 33%
HSV	186°, 100%, 66%
XYZ	18.2279, 24.9978, 41.3978
YIQ	107.9030, -95.7740, -26.4140

Conversions

Conversions Part 2

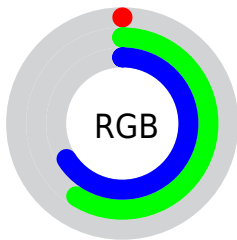
Format	Color
RYB	0, 80, 169
Decimal	38825
CIELab	57.07, -26.63, -18.90
CIELCh	57, 32.658, 215.363
Yxy	24.9978, 0.2154, 0.2954
Android (android.graphics.Color)	4278228905 (0xFF0097A9)
YUV	107.9030, 30.1208, -94.6309
Hunter-Lab	49.9978, -22.4196, -14.0933

Details

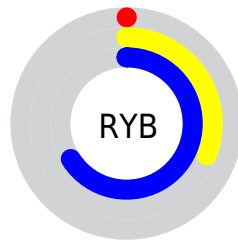
The Yxy color **24.9978, 0.2154, 0.2954** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.8690, 0.6307, 0.3374**, and the grayscale version is **14.9072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8516, 0.2351, 0.3045**, and **10.3987, 0.2123, 0.2842** is the 20% darker color. If you saturate the color by 10%, you get **24.9963, 0.2154, 0.2954**, and if you desaturate by 10%, it is **25.7009, 0.2181, 0.2990**.

Distribution



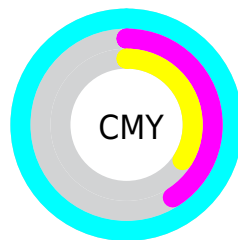
- Red (0%)
- Green (59%)
- Blue (66%)



- Red (0%)
- Yellow (31%)
- Blue (66%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (34%)




- Cyan (100%)
- Magenta (41%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9978, 0.2154, 0.2954 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 24.9978, 0.2154, 0.2954 by changing the saturation by 10% instead.


 24.9978, 0.2154,
0.2954


 24.9978, 0.2154,
0.2954


277.8270, 0.2670,
0.3155


 16.0754, 0.2017,
0.2891


 51.6537, 0.2348,
0.3036


 9.5775, 0.1838,
0.2803


 70.1559, 0.2419,
0.3064

 5.1198, 0.1594,
0.2669

 92.6203, 0.2478,
0.3086

 2.3177, 0.1252,
0.2450

 119.4311, 0.2528,
0.3105

 0.7831, 0.0259,
0.2159

 150.9728, 0.2572,
0.3120

 0.0000, 0.0000,
0.0000

 187.6297, 0.2609,

0.3133

229.7863, 0.2641,
0.3145

■ 24.9978, 0.2154,
0.2954

■ 24.9978, 0.2154,
0.2954

■ 24.9963, 0.2154,
0.2954

■ 25.7009, 0.2181,
0.2990

■ 26.5126, 0.2223,
0.3026

■ 27.4741, 0.2282,
0.3063

■ 28.6038, 0.2360,
0.3099

■ 29.9174, 0.2456,
0.3135

■ 31.4285, 0.2568,
0.3170

■ 33.1496, 0.2694,
0.3203

■ 35.0921, 0.2831,
0.3234

■ 37.2663, 0.2977,
0.3263

Harmonies

Analogous

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



24.9978, 0.2401, 0.3502



24.9978, 0.2154, 0.2954



24.9978, 0.2142, 0.2573

Triad

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



24.9978, 0.2154, 0.2954



24.9978, 0.3342, 0.2683



24.9978, 0.3899, 0.4223

Complementary

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



24.9978, 0.2154, 0.2954



8.8690, 0.6307, 0.3374

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.



24.9978, 0.4206, 0.3898



24.9978, 0.2154, 0.2954



24.9978, 0.3882, 0.3042

Square

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



24.9978, 0.2154, 0.2954



24.9978, 0.2783, 0.2458



24.9978, 0.4208, 0.3471



24.9978, 0.3398, 0.4304

Rectangle

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



24.9978, 0.2154, 0.2954



24.9978, 0.2262, 0.2441



24.9978, 0.4208, 0.3471



24.9978, 0.4029, 0.4134

Sweetspot

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



24.9987, 0.2154, 0.2954



59.1858, 0.2687, 0.3201



28.4150, 0.2979, 0.5924



12.6210, 0.2635, 0.3188



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.



24.9987, 0.2154, 0.2954



44.5841, 0.2152, 0.2948



6.9549, 0.1688, 0.1275



8.3935, 0.2987, 0.3265



18.6774, 0.2155, 0.2958



0.4920, 0.2188, 0.3077

Inverse Universe

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



10.6703, 0.3495, 0.1699



19.0895, 0.3501, 0.1702



17.8240, 0.5109, 0.4325



7.6526, 0.3153, 0.3091



7.9566, 0.3492, 0.1697



0.1974, 0.3387, 0.1640

Previews

White Background



This preview shows how the Yxy color 24.9978, 0.2154, 0.2954 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 24.9978, 0.2154, 0.2954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

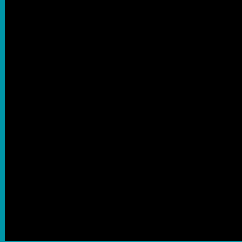
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

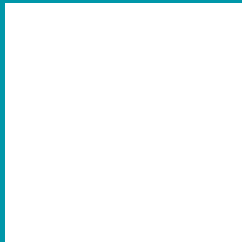
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.9978, 0.2154, 0.2954

Background



This preview shows how black text looks on a background with the Yxy color 24.9978, 0.2154, 0.2954.

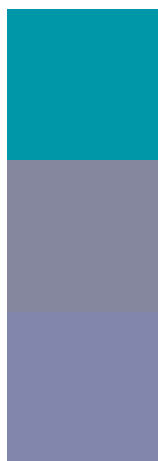


This preview shows how white text looks on a background with the Yxy color 24.9978, 0.2154, 0.2954.

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

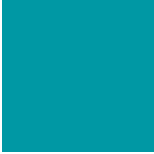
24.9978, 0.2154, 0.2954

Protanopia

24.7021, 0.2869, 0.2910

Deuteranopia

24.8132, 0.2715, 0.2666



Tritanopia

25.1368, 0.2184, 0.3062

Trichromacy



Original Color

24.9978, 0.2154, 0.2954

Protanomaly

23.5432, 0.2434, 0.2909

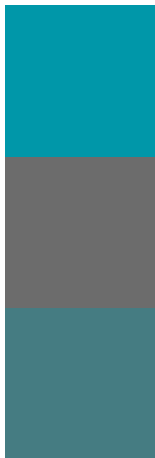
Deuteranomaly

23.5737, 0.2358, 0.2726

Tritanomaly

25.2096, 0.2174, 0.3026

Monochromacy



Original Color

24.9978, 0.2154, 0.2954

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

17.2922, 0.2502, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9978, 0.2154, 0.2954 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, 169)` looks like.

```
.text, #text, p{  
  color:rgb(0, 151, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 169) }
```

Border

The CSS property to change the border of an element to Yxy 24.9978, 0.2154, 0.2954 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, 169) }
```

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

```
.border{ border-color:rgb(0, 151, 169) }
```

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, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9978, 0.2154, 0.2954 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, 169) }
```

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

```
.background{ background-color: rgb(0, 151,  
169) }
```

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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