

Converting Colors

$Yxy(17.8109, 0.1061, 0.3614)$

Have a look what the booklet for
Yxy(17.8109, 0.1061, 0.3614)
contains.

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Color

Yxy(22.9291, 0.2322, 0.3558)

Conversions

Conversions Part 1

Format	Color
Hex	009487
RGB	0, 148, 135
RGB Percent	0%, 58%, 53%
CMY	0.9991, 0.4196, 0.4707
CMYK	1.00, 0.00, 0.09, 0.42
HSL	175°, 100%, 29%
HSV	175°, 100%, 58%
XYZ	14.9638, 22.9291, 26.5508
YIQ	102.2660, -84.0350, -35.4190

Conversions

Conversions Part 2

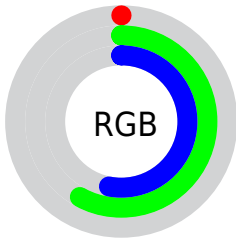
Format	Color
RYB	0, 77, 148
Decimal	38023
CIELab	55.00, -36.05, -2.54
CIELCh	55, 36.136, 184.027
Yxy	22.9291, 0.2322, 0.3558
Android (android.graphics.Color)	4278228103 (0xFF009487)
YUV	102.2660, 16.1379, -89.6873
Hunter-Lab	47.8843, -28.0164, 0.6440

Details

The Yxy color **22.9291, 0.2322, 0.3558** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.3306, 0.6275, 0.3233**, and the grayscale version is **13.3520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3689, 0.2493, 0.3509**, and **9.0216, 0.2341, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **22.9279, 0.2322, 0.3558**, and if you desaturate by 10%, it is **23.0672, 0.2333, 0.3529**.

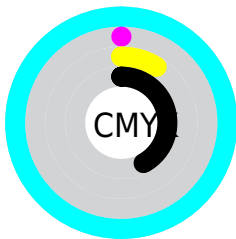
Distribution



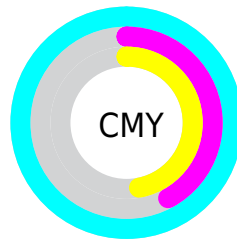
- Red (0%)
- Green (58%)
- Blue (53%)



- Red (0%)
- Yellow (30%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9291, 0.2322, 0.3558 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 22.9291, 0.2322, 0.3558 by changing the saturation by 10% instead.


 22.9291, 0.2322,
0.3558


 22.9291, 0.2322,
0.3558


267.3606, 0.2765,
0.3414


 14.5412, 0.2197,
0.3597


 48.2769, 0.2494,
0.3504


 8.4980, 0.2026,
0.3648


 66.0055, 0.2555,
0.3484


 4.4152, 0.1782,
0.3718

 87.6165, 0.2605,
0.3467

 1.9084, 0.1398,
0.3821

 113.4943, 0.2648,
0.3453

 0.5534, 0.0000,
0.4150

 144.0231, 0.2684,
0.3441

 0.0000, 0.0000,
0.0000

 179.5876, 0.2715,

0.3431

220.5719, 0.2742,
0.3422

■ 22.9291, 0.2322,
0.3558

■ 22.9291, 0.2322,
0.3558

■ 22.9279, 0.2322,
0.3558

■ 23.0672, 0.2333,
0.3529

■ 23.2763, 0.2357,
0.3500

■ 23.5902, 0.2399,
0.3470

■ 24.0220, 0.2459,
0.3441

■ 24.5828, 0.2537,
0.3413

■ 25.2824, 0.2632,
0.3385

■ 26.1296, 0.2741,
0.3359

■ 27.1327, 0.2862,
0.3334

■ 28.2991, 0.2992,
0.3311

Harmonies

Analogous

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



22.9291, 0.2831, 0.4171



22.9291, 0.2322, 0.3558



22.9291, 0.2040, 0.2924

Triad

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



22.9291, 0.2322, 0.3558



22.9291, 0.2709, 0.2352



22.9291, 0.4358, 0.3941

Complementary

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



22.9291, 0.2322, 0.3558



6.3306, 0.6275, 0.3233

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.



22.9291, 0.4350, 0.3459



22.9291, 0.2322, 0.3558



22.9291, 0.3337, 0.2594

Square

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



22.9291, 0.2322, 0.3558



22.9291, 0.2247, 0.2306



22.9291, 0.3963, 0.2985



22.9291, 0.4014, 0.4330

Rectangle

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



22.9291, 0.2322, 0.3558



22.9291, 0.1997, 0.2606



22.9291, 0.3963, 0.2985



22.9291, 0.4399, 0.3785

Sweetspot

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



22.9300, 0.2322, 0.3558



45.9823, 0.2732, 0.3361



21.2819, 0.3029, 0.5975



10.3606, 0.2689, 0.3370



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.9300, 0.2322, 0.3558



40.4423, 0.2323, 0.3564



9.2664, 0.1876, 0.1950



6.5535, 0.3001, 0.3309



19.5862, 0.2321, 0.3557



0.2418, 0.2281, 0.3412

Inverse Universe

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



6.3306, 0.6275, 0.3233



11.1488, 0.6306, 0.3247



9.4592, 0.5663, 0.3883



5.8232, 0.3269, 0.3271



5.4046, 0.6270, 0.3228



0.0678, 0.5708, 0.2918

Previews

White Background



This preview shows how the Yxy color 22.9291, 0.2322, 0.3558 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 22.9291, 0.2322, 0.3558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

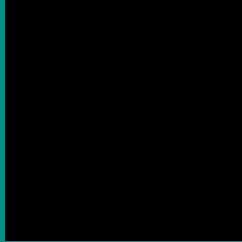
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9291, 0.2322, 0.3558

Background



This preview shows how black text looks on a background with the Yxy color 22.9291, 0.2322, 0.3558.

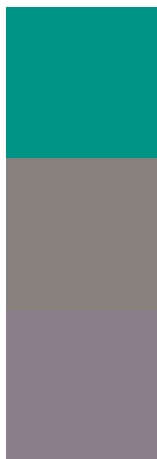


This preview shows how white text looks on a background with the Yxy color 22.9291, 0.2322, 0.3558.

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

22.9291, 0.2322, 0.3558

Protanopia

22.5968, 0.3240, 0.3378

Deuteranopia

22.6476, 0.3137, 0.3071



Tritanopia

23.0784, 0.2248, 0.3056

Trichromacy



Original Color

22.9291, 0.2322, 0.3558

Protanomaly

21.4547, 0.2691, 0.3448

Deuteranomaly

21.2868, 0.2636, 0.3230

Tritanomaly

22.9219, 0.2264, 0.3228

Monochromacy



Original Color

22.9291, 0.2322, 0.3558

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

15.5324, 0.2588, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9291, 0.2322, 0.3558 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, 148, 135)` looks like.

```
.text, #text, p{  
  color:rgb(0, 148, 135)  
}
```

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, 148, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 135) }
```

Border

The CSS property to change the border of an element to Yxy 22.9291, 0.2322, 0.3558 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, 148, 135) }
```

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

```
.border{ border-color:rgb(0, 148, 135) }
```

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

Here you see how a box with a 4 pixel rgb(0, 148, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9291, 0.2322, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 135) }
```

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

```
.background{ background-color: rgb(0, 148,  
135) }
```

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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