

Converting Colors

$Yxy(22.3918, 0.2315, 0.3535)$

Have a look what the booklet for
Yxy(22.3918, 0.2315, 0.3535)
contains.

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Color

$\text{Yxy}(22.3070, 0.2311, 0.3518)$

Conversions

Conversions Part 1

Format	Color
Hex	009287
RGB	0, 146, 135
RGB Percent	0%, 57%, 53%
CMY	0.9988, 0.4275, 0.4707
CMYK	1.00, 0.00, 0.08, 0.43
HSL	175°, 100%, 29%
HSV	175°, 100%, 57%
XYZ	14.6536, 22.3070, 26.4476
YIQ	101.0920, -83.4850, -34.3730

Conversions

Conversions Part 2

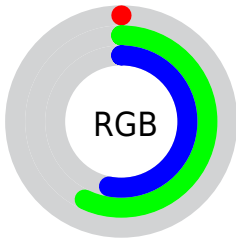
Format	Color
RYB	0, 76, 146
Decimal	37511
CIELab	54.35, -35.13, -3.49
CIELCh	54, 35.306, 185.677
Yxy	22.3070, 0.2311, 0.3518
Android (android.graphics.Color)	4278227591 (0xFF009287)
YUV	101.0920, 16.7166, -88.6577
Hunter-Lab	47.2303, -27.2717, -0.1394

Details

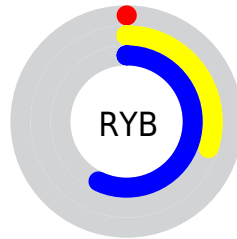
The Yxy color **22.3070, 0.2311, 0.3518** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.1425, 0.6291, 0.3242**, and the grayscale version is **13.0355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4304, 0.2487, 0.3481**, and **8.8403, 0.2333, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **22.3052, 0.2311, 0.3519**, and if you desaturate by 10%, it is **22.4379, 0.2324, 0.3493**.

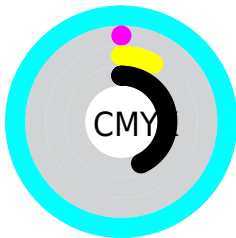
Distribution



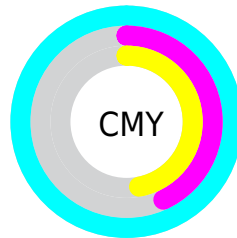
- Red (0%)
- Green (57%)
- Blue (53%)



- Red (0%)
- Yellow (30%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (43%)





- Cyan (100%)
- Magenta (43%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3070, 0.2311, 0.3518 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 22.3070, 0.2311, 0.3518 by changing the saturation by 10% instead.


 22.3070, 0.2311,
0.3518


 22.3070, 0.2311,
0.3518


 264.1453, 0.2761,
0.3397


 14.0827, 0.2183,
0.3550


 47.2529, 0.2486,
0.3473


 8.1782, 0.2009,
0.3590

 64.7432, 0.2548,
0.3456


 4.2092, 0.1760,
0.3644

 86.0910, 0.2599,
0.3442

 1.7912, 0.1356,
0.3723

 111.6806, 0.2642,
0.3431

 0.4817, 0.0000,
0.3853

 141.8964, 0.2679,
0.3421

 0.0000, 0.0000,
0.0000

 177.1229, 0.2710,

0.3412

217.7444, 0.2737,
0.3404

■ 22.3070, 0.2311,
0.3518

■ 22.3070, 0.2311,
0.3518

■ 22.3052, 0.2311,
0.3519

■ 22.4379, 0.2324,
0.3493

■ 22.6374, 0.2349,
0.3468

■ 22.9385, 0.2392,
0.3444

■ 23.3538, 0.2453,
0.3419

■ 23.8940, 0.2532,
0.3394

■ 24.5686, 0.2627,
0.3371

■ 25.3862, 0.2737,
0.3348

■ 26.3546, 0.2859,
0.3327

■ 27.4811, 0.2991,
0.3308

Harmonies

Analogous

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



22.3070, 0.2804, 0.4130



22.3070, 0.2311, 0.3518



22.3070, 0.2046, 0.2900

Triad

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



22.3070, 0.2311, 0.3518



22.3070, 0.2746, 0.2372



22.3070, 0.4331, 0.3959

Complementary

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



22.3070, 0.2311, 0.3518



6.1425, 0.6291, 0.3242

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.



22.3070, 0.4344, 0.3485



22.3070, 0.2311, 0.3518



22.3070, 0.3371, 0.2621

Square

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



22.3070, 0.2311, 0.3518



22.3070, 0.2278, 0.2315



22.3070, 0.3980, 0.3014



22.3070, 0.3977, 0.4332

Rectangle

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



22.3070, 0.2311, 0.3518



22.3070, 0.2012, 0.2595



22.3070, 0.3980, 0.3014



22.3070, 0.4378, 0.3806

Sweetspot

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



22.3078, 0.2311, 0.3518



44.6573, 0.2728, 0.3350



20.6392, 0.3024, 0.5979



9.8093, 0.2685, 0.3359



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.3078, 0.2311, 0.3518



39.3391, 0.2312, 0.3523



8.6209, 0.1860, 0.1895



6.5547, 0.2999, 0.3307



19.6308, 0.2310, 0.3517



0.2421, 0.2276, 0.3394

Inverse Universe

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



6.1425, 0.6291, 0.3242



10.8129, 0.6321, 0.3256



9.4505, 0.5613, 0.3922



5.8221, 0.3271, 0.3274



5.4005, 0.6289, 0.3238



0.0675, 0.5794, 0.2966

Previews

White Background



This preview shows how the Yxy color 22.3070, 0.2311, 0.3518 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 22.3070, 0.2311, 0.3518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

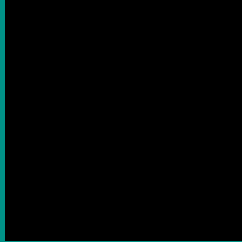
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3070, 0.2311, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 22.3070, 0.2311, 0.3518.



This preview shows how white text looks on a background with the Yxy color 22.3070, 0.2311, 0.3518.

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

22.3070, 0.2311, 0.3518

Protanopia

22.1677, 0.3218, 0.3361

Deuteranopia

22.1042, 0.3114, 0.3068



Tritanopia

22.3688, 0.2243, 0.3053

Trichromacy



Original Color

22.3070, 0.2311, 0.3518

Protanomaly

20.8442, 0.2678, 0.3409

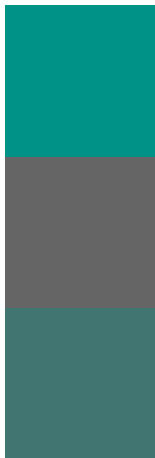
Deuteranomaly

20.6363, 0.2614, 0.3191

Tritanomaly

22.2552, 0.2255, 0.3207

Monochromacy



Original Color

22.3070, 0.2311, 0.3518

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

15.0048, 0.2582, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3070, 0.2311, 0.3518 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, 146, 135)` looks like.

```
.text, #text, p{  
  color:rgb(0, 146, 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, 146, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 135) }
```

Border

The CSS property to change the border of an element to Yxy 22.3070, 0.2311, 0.3518 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, 146, 135) }
```

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

```
.border{ border-color:rgb(0, 146, 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, 146, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3070, 0.2311, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 135) }
```

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

```
.background{ background-color: rgb(0, 146,  
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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