

Converting Colors

$Y_{xy}(31.4140, 0.2330, 0.3589)$

Have a look what the booklet for
Yxy(31.4140, 0.2330, 0.3589)
contains.

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Color

Yxy(31.4589, 0.2333, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	00AB9A
RGB	0, 171, 154
RGB Percent	0%, 67%, 60%
CMY	0.9992, 0.3294, 0.3960
CMYK	1.00, 0.00, 0.10, 0.33
HSL	174°, 100%, 34%
HSV	174°, 100%, 67%
XYZ	20.3984, 31.4589, 35.5771
YIQ	117.9330, -96.4590, -41.5390

Conversions

Conversions Part 2

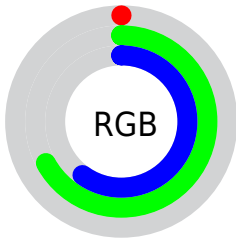
Format	Color
RYB	0, 90, 171
Decimal	43930
CIELab	62.89, -40.70, -1.73
CIELCh	63, 40.736, 182.434
Yxy	31.4589, 0.2333, 0.3598
Android (android.graphics.Color)	4278234010 (0xFF00AB9A)
YUV	117.9330, 17.7810, -103.4272
Hunter-Lab	56.0882, -33.2366, 1.6538

Details

The Yxy color **31.4589, 0.2333, 0.3598** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.7029, 0.6275, 0.3232**, and the grayscale version is **18.0799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8719, 0.2489, 0.3542**, and **13.9361, 0.2354, 0.3676** is the 20% darker color. If you saturate the color by 10%, you get **31.4582, 0.2333, 0.3598**, and if you desaturate by 10%, it is **31.6378, 0.2341, 0.3565**.

Distribution



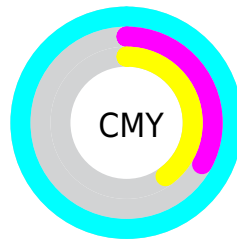
- Red (0%)
- Green (67%)
- Blue (60%)



- Red (0%)
- Yellow (35%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4589, 0.2333, 0.3598 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 31.4589, 0.2333, 0.3598 by changing the saturation by 10% instead.


 31.4589, 0.2333,
0.3598


 31.4589, 0.2333,
0.3598


 308.6469, 0.2750,
0.3439

 20.9485, 0.2223,
0.3639


 61.9618, 0.2489,
0.3539


 13.0864, 0.2078,
0.3693

 82.7232, 0.2547,
0.3517

 7.4881, 0.1880,
0.3764


 107.6704, 0.2594,
0.3499

 3.7692, 0.1595,
0.3864

 137.1877, 0.2635,
0.3483

 1.5453, 0.0963,
0.4096

 171.6597, 0.2670,
0.3470

 0.3203, 0.0000,
0.4054

 211.4706, 0.2700,

 0.0000, 0.0000,

0.3458

0.0000

257.0049, 0.2727,
0.3448

■ 31.4589, 0.2333,
0.3598

■ 31.4589, 0.2333,
0.3598

■ 31.4582, 0.2333,
0.3598

■ 31.6378, 0.2341,
0.3565

■ 31.9206, 0.2363,
0.3531

■ 32.3491, 0.2402,
0.3497

■ 32.9423, 0.2461,
0.3464

■ 33.7161, 0.2538,
0.3431

■ 34.6846, 0.2632,
0.3399

■ 35.8606, 0.2740,
0.3369

■ 37.2557, 0.2861,
0.3340

■ 38.8806, 0.2991,
0.3314

Harmonies

Analogous

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



31.4589, 0.2858, 0.4211



31.4589, 0.2333, 0.3598



31.4589, 0.2035, 0.2948

Triad

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



31.4589, 0.2333, 0.3598



31.4589, 0.2673, 0.2333



31.4589, 0.4384, 0.3923

Complementary

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



31.4589, 0.2333, 0.3598



8.7029, 0.6275, 0.3232

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.



31.4589, 0.4356, 0.3433



31.4589, 0.2333, 0.3598



31.4589, 0.3304, 0.2568

Square

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



31.4589, 0.2333, 0.3598



31.4589, 0.2217, 0.2297



31.4589, 0.3945, 0.2957



31.4589, 0.4051, 0.4328

Rectangle

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



31.4589, 0.2333, 0.3598



31.4589, 0.1982, 0.2618



31.4589, 0.3945, 0.2957



31.4589, 0.4419, 0.3763

Sweetspot

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



31.4601, 0.2333, 0.3598



64.0790, 0.2733, 0.3371



29.2472, 0.3025, 0.5979



14.0895, 0.2687, 0.3383



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



31.4601, 0.2333, 0.3598



56.3236, 0.2335, 0.3604



12.5776, 0.1871, 0.1933



9.0582, 0.2999, 0.3312



23.7198, 0.2332, 0.3595



0.6637, 0.2304, 0.3493

Inverse Universe

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



8.7029, 0.6275, 0.3232



15.5640, 0.6302, 0.3245



12.8550, 0.5684, 0.3867



8.0278, 0.3271, 0.3268



6.5612, 0.6263, 0.3224



0.1866, 0.5756, 0.2945

Previews

White Background



This preview shows how the Yxy color 31.4589, 0.2333, 0.3598 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.4589, 0.2333, 0.3598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

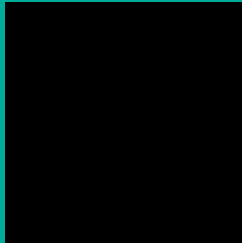
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4589, 0.2333, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 31.4589, 0.2333, 0.3598.

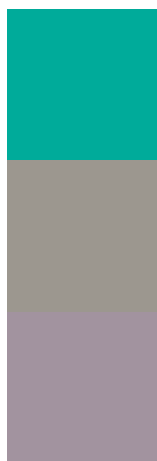


This preview shows how white text looks on a background with the Yxy color 31.4589, 0.2333, 0.3598.

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

31.4589, 0.2333, 0.3598

Protanopia

31.1843, 0.3255, 0.3413

Deuteranopia

31.0520, 0.3166, 0.3112



Tritanopia

31.4872, 0.2243, 0.3051

Trichromacy



Original Color

31.4589, 0.2333, 0.3598



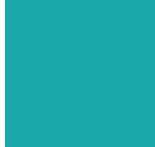
Protanomaly

29.2130, 0.2698, 0.3482



Deuteranomaly

29.0948, 0.2650, 0.3271



Tritanomaly

31.1785, 0.2262, 0.3235

Monochromacy



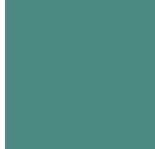
Original Color

31.4589, 0.2333, 0.3598



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

21.0259, 0.2586, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4589, 0.2333, 0.3598 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, 171, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 154)  
}
```

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, 171, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 154) }
```

Border

The CSS property to change the border of an element to Yxy 31.4589, 0.2333, 0.3598 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, 171, 154) }
```

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

```
.border{ border-color:rgb(0, 171, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4589, 0.2333, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 154) }
```

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

```
.background{ background-color: rgb(0, 171,  
154) }
```

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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