

Converting Colors

$Y_{xy}(27.1055, 0.1651, 0.3955)$

Have a look what the booklet for
Yxy(27.1055, 0.1651, 0.3955)
contains.

Yxy(31.4580, 0.2403, 0.3849)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.4580, 0.2403, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	00AC8E
RGB	0, 172, 142
RGB Percent	0%, 67%, 56%
CMY	0.9982, 0.3255, 0.4431
CMYK	1.00, 0.00, 0.17, 0.33
HSL	170°, 99%, 34%
HSV	170°, 100%, 67%
XYZ	19.6398, 31.4580, 30.6325
YIQ	117.1520, -92.8820, -45.7940

Conversions

Conversions Part 2

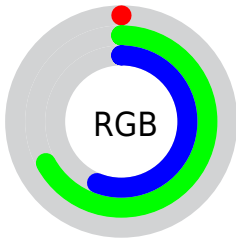
Format	Color
RYB	0, 94, 172
Decimal	44174
CIELab	62.89, -44.45, 4.97
CIELCh	63, 44.731, 173.619
Yxy	31.4580, 0.2403, 0.3849
Android (android.graphics.Color)	4278234254 (0xFF00AC8E)
YUV	117.1520, 12.2501, -102.7423
Hunter-Lab	56.0874, -35.6487, 6.8796

Details

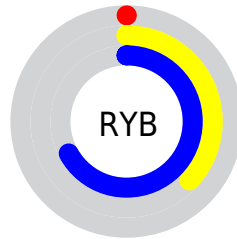
The Yxy color **31.4580, 0.2403, 0.3849** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.8761, 0.6121, 0.3148**, and the grayscale version is **17.8663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8520, 0.2548, 0.3724**, and **13.9664, 0.2446, 0.4006** is the 20% darker color. If you saturate the color by 10%, you get **31.4538, 0.2403, 0.3851**, and if you desaturate by 10%, it is **31.6731, 0.2404, 0.3787**.

Distribution



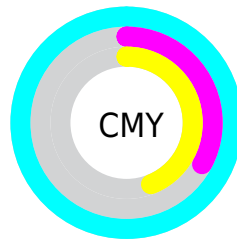
- Red (0%)
- Green (67%)
- Blue (56%)



- Red (0%)
- Yellow (37%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (33%)




- Cyan (100%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4580, 0.2403, 0.3849 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 31.4580, 0.2403, 0.3849 by changing the saturation by 10% instead.


 31.4580, 0.2403,
0.3849


 31.4580, 0.2403,
0.3849


 308.6428, 0.2789,
0.3545

 20.9479, 0.2299,
0.3934


 61.9604, 0.2549,
0.3732


 13.0859, 0.2160,
0.4048


 82.7215, 0.2602,
0.3690


 7.4877, 0.1967,
0.4212


 107.6683, 0.2647,
0.3656

 3.7689, 0.1683,
0.4462

 137.1853, 0.2684,
0.3627

 1.5452, 0.0892,
0.5076

 171.6569, 0.2716,
0.3602

 0.3202, 0.0000,
0.9966

 211.4674, 0.2744,

 0.0000, 0.0000,

0.3580

0.0000

257.0012, 0.2768,
0.3562

■ 31.4580, 0.2403,
0.3849

■ 31.4580, 0.2403,
0.3849

■ 31.4538, 0.2403,
0.3851

■ 31.6731, 0.2404,
0.3787

■ 31.9967, 0.2420,
0.3725

■ 32.4700, 0.2455,
0.3663

■ 33.1120, 0.2508,
0.3602

■ 33.9391, 0.2580,
0.3542

■ 34.9655, 0.2668,
0.3484

■ 36.2041, 0.2769,
0.3430

■ 37.6667, 0.2882,
0.3379

■ 39.3643, 0.3004,
0.3332

Harmonies

Analogous

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



31.4580, 0.3023, 0.4450



31.4580, 0.2403, 0.3849



31.4580, 0.2005, 0.3101

Triad

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



31.4580, 0.2403, 0.3849



31.4580, 0.2460, 0.2218



31.4580, 0.4539, 0.3812

Complementary

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



31.4580, 0.2403, 0.3849



8.8761, 0.6121, 0.3148

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.



31.4580, 0.4384, 0.3279



31.4580, 0.2403, 0.3849



31.4580, 0.3102, 0.2413

Square

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



31.4580, 0.2403, 0.3849



31.4580, 0.2042, 0.2246



31.4580, 0.3831, 0.2788



31.4580, 0.4270, 0.4301

Rectangle

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



31.4580, 0.2403, 0.3849



31.4580, 0.1895, 0.2692



31.4580, 0.3831, 0.2788



31.4580, 0.4538, 0.3634

Sweetspot

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



31.4592, 0.2403, 0.3849



65.4882, 0.2761, 0.3434



29.8095, 0.3062, 0.5948



14.0257, 0.2718, 0.3456



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.



31.4592, 0.2403, 0.3849



57.0369, 0.2406, 0.3861



15.8621, 0.1954, 0.2231



9.0477, 0.3009, 0.3330



23.4157, 0.2401, 0.3844



0.6576, 0.2349, 0.3657

Inverse Universe

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



8.8761, 0.6121, 0.3148



16.0592, 0.6162, 0.3168



11.4828, 0.5904, 0.3690



8.0374, 0.3260, 0.3251



6.6027, 0.6106, 0.3137



0.1904, 0.5370, 0.2732

Previews

White Background



This preview shows how the Yxy color 31.4580, 0.2403, 0.3849 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 31.4580, 0.2403, 0.3849 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 31.4580, 0.2403, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 31.4580, 0.2403, 0.3849.

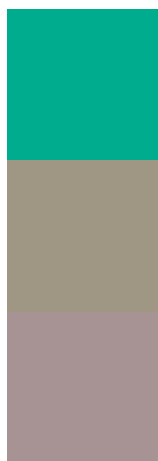


This preview shows how white text looks on a background with the Yxy color 31.4580, 0.2403, 0.3849.

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

31.4580, 0.2403, 0.3849

Protanopia

31.1428, 0.3405, 0.3599

Deuteranopia

30.9114, 0.3329, 0.3261



Tritanopia

31.6108, 0.2268, 0.3068

Trichromacy



Original Color

31.4580, 0.2403, 0.3849



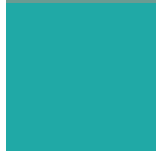
Protanomaly

29.3122, 0.2807, 0.3717



Deuteranomaly

28.5822, 0.2755, 0.3446



Tritanomaly

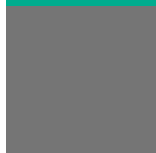
31.4362, 0.2302, 0.3341

Monochromacy



Original Color

31.4580, 0.2403, 0.3849



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.8935, 0.2626, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4580, 0.2403, 0.3849 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, 172, 142)` looks like.

```
.text, #text, p{  
  color:rgb(0, 172, 142)  
}
```

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, 172, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 142) }
```

Border

The CSS property to change the border of an element to Yxy 31.4580, 0.2403, 0.3849 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, 172, 142) }
```

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

```
.border{ border-color:rgb(0, 172, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4580, 0.2403, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 142) }
```

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

```
.background{ background-color: rgb(0, 172,  
142) }
```

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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