

Converting Colors

$Yxy(30.2396, 0.2334, 0.3604)$

Have a look what the booklet for
Yxy(30.2396, 0.2334, 0.3604)
contains.

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Color

Yxy(30.2396, 0.2334, 0.3604)

Conversions

Conversions Part 1

Format	Color
Hex	00A897
RGB	0, 168, 151
RGB Percent	0%, 66%, 59%
CMY	1.0000, 0.3411, 0.4078
CMYK	1.00, 0.00, 0.10, 0.34
HSL	174°, 100%, 33%
HSV	174°, 100%, 66%
XYZ	19.5836, 30.2396, 34.0825
YIQ	115.8300, -94.6710, -40.9030

Conversions

Conversions Part 2

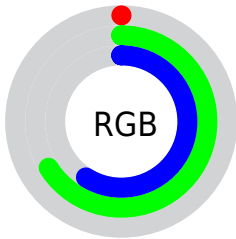
Format	Color
RYB	0, 88, 168
Decimal	43159
CIELab	61.86, -40.29, -1.55
CIELCh	62, 40.319, 182.209
Yxy	30.2396, 0.2334, 0.3604
Android (android.graphics.Color)	4278233239 (0xFF00A897)
YUV	115.8300, 17.3388, -101.5829
Hunter-Lab	54.9905, -32.6649, 1.7462

Details

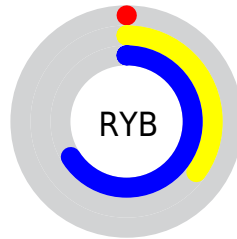
The Yxy color **30.2396, 0.2334, 0.3604** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.3666, 0.6273, 0.3229**, and the grayscale version is **17.3801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0462, 0.2491, 0.3545**, and **13.1816, 0.2357, 0.3685** is the 20% darker color. If you saturate the color by 10%, you get **30.2440, 0.2335, 0.3604**, and if you desaturate by 10%, it is **30.4170, 0.2342, 0.3570**.

Distribution



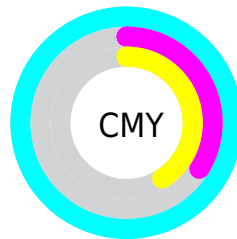
- Red (0%)
- Green (66%)
- Blue (59%)



- Red (0%)
- Yellow (35%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (34%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2396, 0.2334, 0.3604 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 30.2396, 0.2334, 0.3604 by changing the saturation by 10% instead.


 30.2396, 0.2334,
0.3604


 30.2396, 0.2334,
0.3604


 303.0197, 0.2753,
0.3440


 20.0205, 0.2222,
0.3647


 60.0409, 0.2492,
0.3543


 12.4100, 0.2074,
0.3703


 80.3919, 0.2549,
0.3520

 7.0235, 0.1871,
0.3778


 104.8890, 0.2598,
0.3502

 3.4768, 0.1577,
0.3884

 133.9166, 0.2638,
0.3486

 1.3854, 0.0799,
0.4186

 167.8590, 0.2673,
0.3472

 0.2060, 0.0000,
0.3822

 207.1008, 0.2703,

 0.0000, 0.0000,

0.3460

0.0000

252.0262, 0.2730,
0.3449

■ 30.2396, 0.2334,
0.3604

■ 30.2396, 0.2334,
0.3604

■ 30.2440, 0.2335,
0.3604

■ 30.4170, 0.2342,
0.3570

■ 30.6895, 0.2364,
0.3536

■ 31.1018, 0.2403,
0.3501

■ 31.6721, 0.2462,
0.3467

■ 32.4155, 0.2538,
0.3434

■ 33.3457, 0.2632,
0.3401

■ 34.4749, 0.2740,
0.3370

■ 35.8141, 0.2860,
0.3341

■ 37.3737, 0.2990,
0.3315

Harmonies

Analogous

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



30.2396, 0.2862, 0.4218



30.2396, 0.2334, 0.3604



30.2396, 0.2033, 0.2951

Triad

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



30.2396, 0.2334, 0.3604



30.2396, 0.2667, 0.2330



30.2396, 0.4389, 0.3921

Complementary

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



30.2396, 0.2334, 0.3604



8.3666, 0.6273, 0.3229

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.



30.2396, 0.4358, 0.3429



30.2396, 0.2334, 0.3604



30.2396, 0.3300, 0.2564

Square

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



30.2396, 0.2334, 0.3604



30.2396, 0.2212, 0.2295



30.2396, 0.3943, 0.2952



30.2396, 0.4057, 0.4328

Rectangle

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



30.2396, 0.2334, 0.3604



30.2396, 0.1979, 0.2619



30.2396, 0.3943, 0.2952



30.2396, 0.4423, 0.3761

Sweetspot

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



30.2440, 0.2335, 0.3604



62.4275, 0.2734, 0.3372



28.1542, 0.3032, 0.5975



13.4185, 0.2689, 0.3384



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.



30.2440, 0.2335, 0.3604



54.8553, 0.2336, 0.3610



12.6493, 0.1887, 0.1992



8.5188, 0.3000, 0.3313



22.8398, 0.2334, 0.3601



0.5593, 0.2302, 0.3488

Inverse Universe

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



8.3666, 0.6273, 0.3229



15.1654, 0.6298, 0.3243



12.0387, 0.5731, 0.3831



7.5542, 0.3270, 0.3267



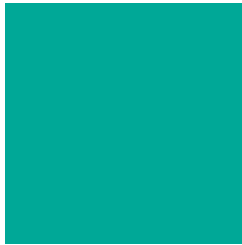
6.3210, 0.6258, 0.3221



0.1575, 0.5715, 0.2922

Previews

White Background



This preview shows how the Yxy color 30.2396, 0.2334, 0.3604 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 30.2396, 0.2334, 0.3604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

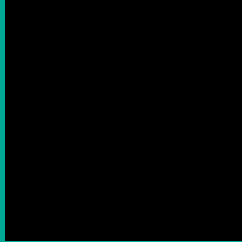
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2396, 0.2334, 0.3604

Background



This preview shows how black text looks on a background with the Yxy color 30.2396, 0.2334, 0.3604.

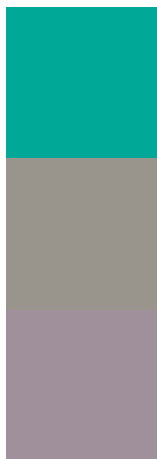


This preview shows how white text looks on a background with the Yxy color 30.2396, 0.2334, 0.3604.

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

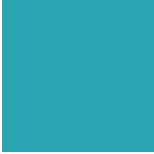
30.2396, 0.2334, 0.3604

Protanopia

29.8456, 0.3257, 0.3416

Deuteranopia

29.7177, 0.3167, 0.3109



Tritanopia

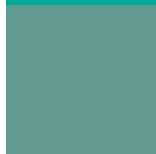
30.2789, 0.2245, 0.3047

Trichromacy



Original Color

30.2396, 0.2334, 0.3604



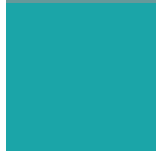
Protanomaly

27.9977, 0.2700, 0.3485



Deuteranomaly

27.8823, 0.2650, 0.3271



Tritanomaly

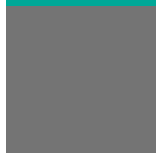
29.9704, 0.2263, 0.3234

Monochromacy



Original Color

30.2396, 0.2334, 0.3604



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.3688, 0.2588, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2396, 0.2334, 0.3604 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, 168, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 151)  
}
```

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, 168, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 151) }
```

Border

The CSS property to change the border of an element to Yxy 30.2396, 0.2334, 0.3604 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, 168, 151) }
```

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

```
.border{ border-color:rgb(0, 168, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2396, 0.2334, 0.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 151) }
```

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

```
.background{ background-color: rgb(0, 168,  
151) }
```

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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