

Converting Colors

$Y_{xy}(24.1582, 0.1195, 0.3617)$

Have a look what the booklet for
Yxy(24.1582, 0.1195, 0.3617)
contains.

Yxy(30.3384, 0.2318, 0.3546)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.3384, 0.2318, 0.3546)

Conversions

Conversions Part 1

Format	Color
Hex	00A89A
RGB	0, 168, 154
RGB Percent	0%, 66%, 60%
CMY	1.0000, 0.3411, 0.3960
CMYK	1.00, 0.00, 0.08, 0.34
HSL	175°, 100%, 33%
HSV	175°, 100%, 66%
XYZ	19.8320, 30.3384, 35.3862
YIQ	116.1720, -95.6340, -39.9700

Conversions

Conversions Part 2

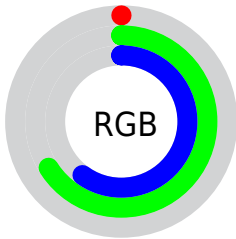
Format	Color
RYB	0, 88, 168
Decimal	43162
CIELab	61.95, -39.41, -3.12
CIELCh	62, 39.533, 184.523
Yxy	30.3384, 0.2318, 0.3546
Android (android.graphics.Color)	4278233242 (0xFF00A89A)
YUV	116.1720, 18.6492, -101.8828
Hunter-Lab	55.0803, -32.1204, 0.4655

Details

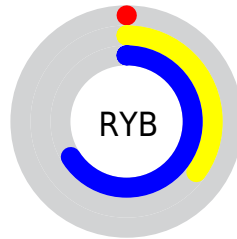
The Yxy color **30.3384, 0.2318, 0.3546** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.3576, 0.6300, 0.3244**, and the grayscale version is **17.4862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2451, 0.2481, 0.3504**, and **13.2407, 0.2334, 0.3602** is the 20% darker color. If you saturate the color by 10%, you get **30.3421, 0.2318, 0.3546**, and if you desaturate by 10%, it is **30.5064, 0.2328, 0.3518**.

Distribution



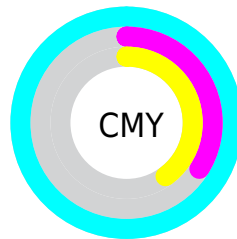
- Red (0%)
- Green (66%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (34%)




- Cyan (100%)
- Magenta (34%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3384, 0.2318, 0.3546 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 30.3384, 0.2318, 0.3546 by changing the saturation by 10% instead.


 30.3384, 0.2318,
0.3546


 30.3384, 0.2318,
0.3546


 303.4786, 0.2744,
0.3415


 20.0956, 0.2205,
0.3579


 60.1969, 0.2478,
0.3498


 12.4645, 0.2056,
0.3621


 80.5814, 0.2537,
0.3480


 7.0609, 0.1852,
0.3676


 105.1153, 0.2585,
0.3465

 3.5002, 0.1558,
0.3749

 134.1829, 0.2627,
0.3452

 1.3981, 0.0835,
0.3960

 168.1686, 0.2663,
0.3441

 0.2153, 0.0000,
0.3225

 207.4569, 0.2693,

 0.0000, 0.0000,

0.3432

0.0000

252.4321, 0.2721,
0.3423

■ 30.3384, 0.2318,
0.3546

■ 30.3384, 0.2318,
0.3546

■ 30.3421, 0.2318,
0.3546

■ 30.5064, 0.2328,
0.3518

■ 30.7699, 0.2351,
0.3491

■ 31.1729, 0.2391,
0.3463

■ 31.7336, 0.2451,
0.3435

■ 32.4673, 0.2529,
0.3408

■ 33.3874, 0.2624,
0.3381

■ 34.5062, 0.2733,
0.3356

■ 35.8348, 0.2856,
0.3332

■ 37.3835, 0.2988,
0.3310

Harmonies

Analogous

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



30.3384, 0.2823, 0.4159



30.3384, 0.2318, 0.3546



30.3384, 0.2041, 0.2916

Triad

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



30.3384, 0.2318, 0.3546



30.3384, 0.2720, 0.2358



30.3384, 0.4350, 0.3947

Complementary

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



30.3384, 0.2318, 0.3546



8.3576, 0.6300, 0.3244

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.



30.3384, 0.4349, 0.3467



30.3384, 0.2318, 0.3546



30.3384, 0.3348, 0.2602

Square

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



30.3384, 0.2318, 0.3546



30.3384, 0.2256, 0.2308



30.3384, 0.3969, 0.2994



30.3384, 0.4003, 0.4332

Rectangle

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



30.3384, 0.2318, 0.3546



30.3384, 0.2001, 0.2602



30.3384, 0.3969, 0.2994



30.3384, 0.4393, 0.3791

Sweetspot

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



30.3421, 0.2318, 0.3546



62.4875, 0.2727, 0.3357



28.1021, 0.3020, 0.5984



13.4333, 0.2681, 0.3367



84.8088, 0.3127, 0.3290



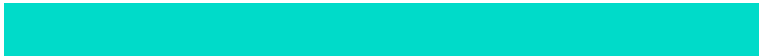
15.4872, 0.3127, 0.3290

Same Dimension

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



30.3421, 0.2318, 0.3546



55.0380, 0.2320, 0.3551



11.5639, 0.1854, 0.1875



8.5211, 0.2998, 0.3309



22.9140, 0.2318, 0.3543



0.5605, 0.2292, 0.3451

Inverse Universe

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



8.3576, 0.6300, 0.3244



15.1512, 0.6323, 0.3257



12.7067, 0.5638, 0.3906



7.5521, 0.3273, 0.3272



6.3139, 0.6286, 0.3237



0.1567, 0.5822, 0.2981

Previews

White Background



This preview shows how the Yxy color 30.3384, 0.2318, 0.3546 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 30.3384, 0.2318, 0.3546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

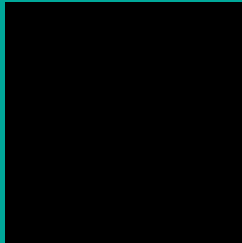
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3384, 0.2318, 0.3546

Background



This preview shows how black text looks on a background with the Yxy color 30.3384, 0.2318, 0.3546.

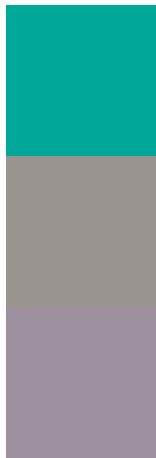


This preview shows how white text looks on a background with the Yxy color 30.3384, 0.2318, 0.3546.

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

30.3384, 0.2318, 0.3546

Protanopia

29.9353, 0.3228, 0.3368

Deuteranopia

29.7188, 0.3127, 0.3064



Tritanopia

30.5960, 0.2244, 0.3064

Trichromacy



Original Color

30.3384, 0.2318, 0.3546



Protanomaly

28.0907, 0.2677, 0.3431



Deuteranomaly

27.9835, 0.2628, 0.3219



Tritanomaly

30.3566, 0.2261, 0.3234

Monochromacy



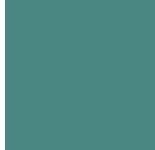
Original Color

30.3384, 0.2318, 0.3546



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.3955, 0.2580, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3384, 0.2318, 0.3546 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 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, 168, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 154) }
```

Border

The CSS property to change the border of an element to Yxy 30.3384, 0.2318, 0.3546 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, 154) }
```

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

```
.border{ border-color:rgb(0, 168, 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, 168, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3384, 0.2318, 0.3546 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, 154) }
```

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

```
.background{ background-color: rgb(0, 168,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor