

Converting Colors

$Y_{xy}(30.3738, 0.2200, 0.3519)$

Have a look what the booklet for
Yxy(30.3738, 0.2200, 0.3519)
contains.

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Color

Yxy(31.1838, 0.2312, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	00AA9D
RGB	0, 170, 157
RGB Percent	0%, 67%, 62%
CMY	1.0000, 0.3333, 0.3842
CMYK	1.00, 0.00, 0.08, 0.33
HSL	175°, 100%, 33%
HSV	175°, 100%, 67%
XYZ	20.4588, 31.1838, 36.8471
YIQ	117.6880, -97.1470, -40.0830

Conversions

Conversions Part 2

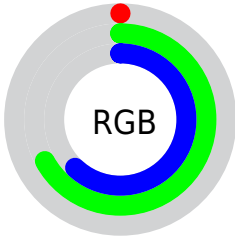
Format	Color
RYB	0, 88, 170
Decimal	43677
CIELab	62.66, -39.41, -3.75
CIELCh	63, 39.588, 185.432
Yxy	31.1838, 0.2312, 0.3524
Android (android.graphics.Color)	4278233757 (0xFF00AA9D)
YUV	117.6880, 19.3808, -103.2124
Hunter-Lab	55.8425, -32.3278, -0.0323

Details

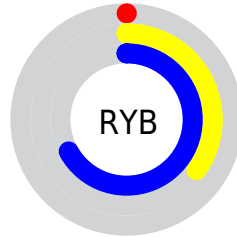
The Yxy color **31.1838, 0.2312, 0.3524** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.5758, 0.6311, 0.3250**, and the grayscale version is **17.9771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5288, 0.2476, 0.3488**, and **13.7632, 0.2325, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **31.1869, 0.2312, 0.3524**, and if you desaturate by 10%, it is **31.3506, 0.2322, 0.3499**.

Distribution



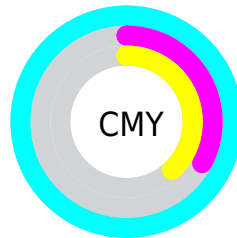
- Red (0%)
- Green (67%)
- Blue (62%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1838, 0.2312, 0.3524 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 31.1838, 0.2312, 0.3524 by changing the saturation by 10% instead.


 31.1838, 0.2312,
0.3524


 31.1838, 0.2312,
0.3524


 307.3842, 0.2739,
0.3406

 20.7388, 0.2200,
0.3553


 61.5293, 0.2472,
0.3481

 12.9332, 0.2052,
0.3589


 82.1987, 0.2530,
0.3465


 7.3826, 0.1851,
0.3636

 107.0450, 0.2579,
0.3452

 3.7025, 0.1563,
0.3695

 136.4526, 0.2621,
0.3440

 1.5086, 0.0944,
0.3844

 170.8059, 0.2657,
0.3430

 0.2948, 0.0000,
0.3358

 210.4894, 0.2688,

 0.0000, 0.0000,

0.3421

0.0000

255.8873, 0.2715,
0.3413

■ 31.1838, 0.2312,
0.3524

■ 31.1838, 0.2312,
0.3524

■ 31.1869, 0.2312,
0.3524

■ 31.3506, 0.2322,
0.3499

■ 31.6166, 0.2345,
0.3473

■ 32.0260, 0.2386,
0.3448

■ 32.5972, 0.2446,
0.3422

■ 33.3461, 0.2525,
0.3398

■ 34.2866, 0.2620,
0.3373

■ 35.4314, 0.2731,
0.3350

■ 36.7917, 0.2854,
0.3329

■ 38.3783, 0.2987,
0.3308

Harmonies

Analogous

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



31.1838, 0.2808, 0.4137



31.1838, 0.2312, 0.3524



31.1838, 0.2044, 0.2903

Triad

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



31.1838, 0.2312, 0.3524



31.1838, 0.2740, 0.2369



31.1838, 0.4336, 0.3957

Complementary

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



31.1838, 0.2312, 0.3524



8.5758, 0.6311, 0.3250

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.



31.1838, 0.4346, 0.3481



31.1838, 0.2312, 0.3524



31.1838, 0.3366, 0.2617

Square

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



31.1838, 0.2312, 0.3524



31.1838, 0.2272, 0.2313



31.1838, 0.3978, 0.3009



31.1838, 0.3983, 0.4333

Rectangle

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



31.1838, 0.2312, 0.3524



31.1838, 0.2009, 0.2596



31.1838, 0.3978, 0.3009



31.1838, 0.4382, 0.3803

Sweetspot

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



31.1869, 0.2312, 0.3524



64.1583, 0.2724, 0.3352



28.8466, 0.3020, 0.5984



14.1095, 0.2678, 0.3361



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.



31.1869, 0.2312, 0.3524



56.5660, 0.2314, 0.3528



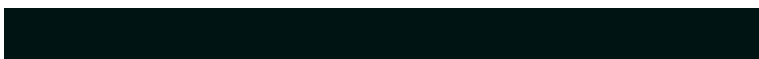
11.8585, 0.1854, 0.1873



8.5220, 0.2997, 0.3307



22.9432, 0.2312, 0.3521



0.5610, 0.2288, 0.3437

Inverse Universe

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



8.5758, 0.6311, 0.3250



15.5462, 0.6332, 0.3262



13.0324, 0.5639, 0.3905



7.5513, 0.3274, 0.3273



6.3114, 0.6296, 0.3242



0.1564, 0.5865, 0.3004

Previews

White Background



This preview shows how the Yxy color 31.1838, 0.2312, 0.3524 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 31.1838, 0.2312, 0.3524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

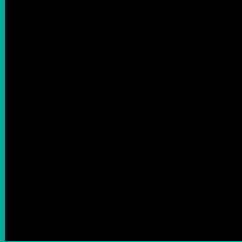
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1838, 0.2312, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 31.1838, 0.2312, 0.3524.

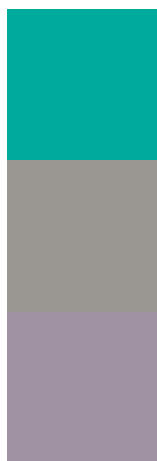


This preview shows how white text looks on a background with the Yxy color 31.1838, 0.2312, 0.3524.

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

31.1838, 0.2312, 0.3524

Protanopia

30.7580, 0.3206, 0.3352

Deuteranopia

30.6400, 0.3118, 0.3052



Tritanopia

31.4041, 0.2243, 0.3067

Trichromacy



Original Color

31.1838, 0.2312, 0.3524



Protanomaly

28.9126, 0.2666, 0.3411



Deuteranomaly

28.8055, 0.2618, 0.3203



Tritanomaly

31.2034, 0.2256, 0.3218

Monochromacy



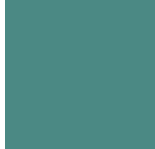
Original Color

31.1838, 0.2312, 0.3524



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

21.0531, 0.2578, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1838, 0.2312, 0.3524 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, 170, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 157)  
}
```

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, 170, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 157) }
```

Border

The CSS property to change the border of an element to Yxy 31.1838, 0.2312, 0.3524 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, 170, 157) }
```

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

```
.border{ border-color:rgb(0, 170, 157) }
```

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

Here you see how a box with a 4 pixel rgb(0, 170, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1838, 0.2312, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 157) }
```

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

```
.background{ background-color: rgb(0, 170,  
157) }
```

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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