

Converting Colors

$Yxy(32.5242, 0.2308, 0.3516)$

Have a look what the booklet for
Yxy(32.5242, 0.2308, 0.3516)
contains.

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Color

Yxy(32.4252, 0.2311, 0.3520)

Conversions

Conversions Part 1

Format	Color
Hex	00ADA0
RGB	0, 173, 160
RGB Percent	0%, 68%, 63%
CMY	1.0000, 0.3216, 0.3725
CMYK	1.00, 0.00, 0.08, 0.32
HSL	175°, 100%, 34%
HSV	175°, 100%, 68%
XYZ	21.2882, 32.4252, 38.4036
YIQ	119.7910, -98.9350, -40.7190

Conversions

Conversions Part 2

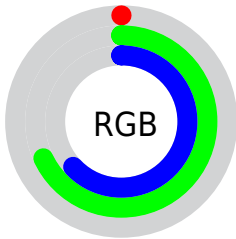
Format	Color
RYB	0, 90, 173
Decimal	44448
CIELab	63.69, -39.86, -3.91
CIELCh	64, 40.046, 185.599
Yxy	32.4252, 0.2311, 0.3520
Android (android.graphics.Color)	4278234528 (0xFF00ADA0)
YUV	119.7910, 19.8230, -105.0567
Hunter-Lab	56.9431, -32.9181, -0.1262

Details

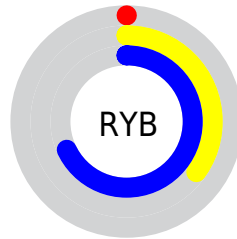
The Yxy color **32.4252, 0.2311, 0.3520** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.9137, 0.6314, 0.3252**, and the grayscale version is **18.6729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4317, 0.2469, 0.3472**, and **14.5371, 0.2323, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **32.4276, 0.2311, 0.3520**, and if you desaturate by 10%, it is **32.5952, 0.2321, 0.3495**.

Distribution



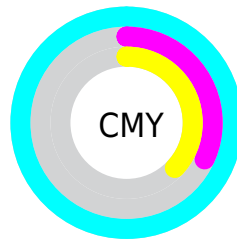
- Red (0%)
- Green (68%)
- Blue (63%)



- Red (0%)
- Yellow (35%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4252, 0.2311, 0.3520 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 32.4252, 0.2311, 0.3520 by changing the saturation by 10% instead.

 32.4252, 0.2311,
0.3520


 32.4252, 0.2311,
0.3520


 313.0516, 0.2736,
0.3405

 21.6865, 0.2200,
0.3548


 63.4771, 0.2469,
0.3479


 13.6267, 0.2055,
0.3583


 84.5590, 0.2527,
0.3463


 7.8615, 0.1859,
0.3627


 109.8575, 0.2576,
0.3450

 4.0065, 0.1580,
0.3683

 139.7569, 0.2618,
0.3439

 1.6772, 0.1058,
0.3793

 174.6416, 0.2654,
0.3429

 0.4088, 0.0000,
0.3627

 214.8961, 0.2685,

 0.0000, 0.0000,

0.3420

0.0000

260.9046, 0.2712,
0.3412

■ 32.4252, 0.2311,
0.3520

■ 32.4252, 0.2311,
0.3520

■ 32.4276, 0.2311,
0.3520

■ 32.5952, 0.2321,
0.3495

■ 32.8698, 0.2344,
0.3470

■ 33.2935, 0.2385,
0.3445

■ 33.8858, 0.2445,
0.3420

■ 34.6631, 0.2523,
0.3396

■ 35.6401, 0.2619,
0.3372

■ 36.8298, 0.2730,
0.3349

■ 38.2442, 0.2853,
0.3328

■ 39.8944, 0.2987,
0.3308

Harmonies

Analogous

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



32.4252, 0.2805, 0.4133



32.4252, 0.2311, 0.3520



32.4252, 0.2045, 0.2901

Triad

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



32.4252, 0.2311, 0.3520



32.4252, 0.2744, 0.2371



32.4252, 0.4333, 0.3959

Complementary

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



32.4252, 0.2311, 0.3520



8.9137, 0.6314, 0.3252

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.



32.4252, 0.4345, 0.3484



32.4252, 0.2311, 0.3520



32.4252, 0.3370, 0.2619

Square

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



32.4252, 0.2311, 0.3520



32.4252, 0.2276, 0.2314



32.4252, 0.3980, 0.3012



32.4252, 0.3979, 0.4333

Rectangle

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



32.4252, 0.2311, 0.3520



32.4252, 0.2011, 0.2595



32.4252, 0.3980, 0.3012



32.4252, 0.4379, 0.3805

Sweetspot

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



32.4276, 0.2311, 0.3520



65.8356, 0.2723, 0.3350



29.9855, 0.3020, 0.5984



14.1106, 0.2677, 0.3360



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.



32.4276, 0.2311, 0.3520



58.0590, 0.2312, 0.3524



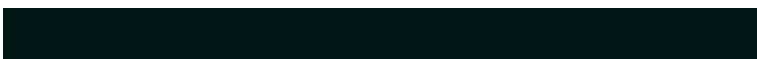
12.3090, 0.1853, 0.1872



9.0616, 0.2996, 0.3307



23.8253, 0.2310, 0.3517



0.6658, 0.2289, 0.3442

Inverse Universe

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



8.9137, 0.6314, 0.3252



15.9513, 0.6334, 0.3263



13.5305, 0.5641, 0.3903



8.0247, 0.3275, 0.3273



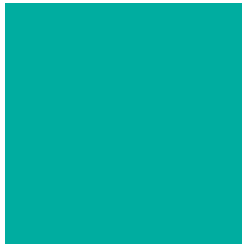
6.5516, 0.6300, 0.3244



0.1853, 0.5898, 0.3023

Previews

White Background



This preview shows how the Yxy color 32.4252, 0.2311, 0.3520 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 32.4252, 0.2311, 0.3520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

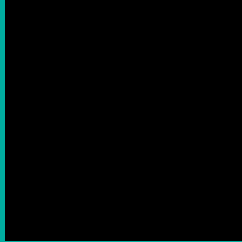
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4252, 0.2311, 0.3520

Background



This preview shows how black text looks on a background with the Yxy color 32.4252, 0.2311, 0.3520.

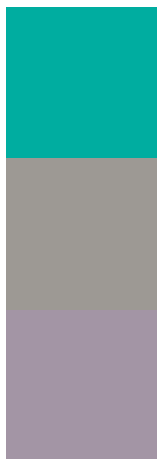


This preview shows how white text looks on a background with the Yxy color 32.4252, 0.2311, 0.3520.

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

32.4252, 0.2311, 0.3520

Protanopia

32.0887, 0.3214, 0.3366

Deuteranopia

31.9980, 0.3118, 0.3056



Tritanopia

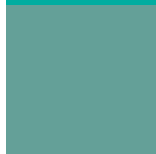
32.6398, 0.2242, 0.3070

Trichromacy



Original Color

32.4252, 0.2311, 0.3520



Protanomaly

30.1179, 0.2673, 0.3427



Deuteranomaly

30.0411, 0.2619, 0.3205



Tritanomaly

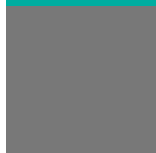
32.4406, 0.2255, 0.3219

Monochromacy



Original Color

32.4252, 0.2311, 0.3520



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.7510, 0.2568, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4252, 0.2311, 0.3520 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, 173, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 160)  
}
```

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, 173, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 160) }
```

Border

The CSS property to change the border of an element to Yxy 32.4252, 0.2311, 0.3520 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, 173, 160) }
```

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

```
.border{ border-color:rgb(0, 173, 160) }
```

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

Here you see how a box with a 4 pixel rgb(0, 173, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4252, 0.2311, 0.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 160) }
```

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

```
.background{ background-color: rgb(0, 173,  
160) }
```

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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