

Converting Colors

$Y_{xy}(28.8720, 0.1845, 0.3670)$

Have a look what the booklet for
Yxy(28.8720, 0.1845, 0.3670)
contains.

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Color

$\text{Yxy}(32.2202, 0.2343, 0.3633)$

Conversions

Conversions Part 1

Format	Color
Hex	01AD9A
RGB	1, 173, 154
RGB Percent	0%, 68%, 60%
CMY	0.9980, 0.3216, 0.3961
CMYK	1.00, 0.00, 0.11, 0.32
HSL	173°, 99%, 34%
HSV	173°, 100%, 68%
XYZ	20.7795, 32.2202, 35.6879
YIQ	119.4060, -96.4130, -42.3730

Conversions

Conversions Part 2

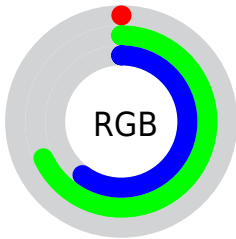
Format	Color
RYB	1, 92, 173
Decimal	109978
CIELab	63.52, -41.57, -0.78
CIELCh	64, 41.576, 181.081
Yxy	32.2202, 0.2343, 0.3633
Android (android.graphics.Color)	4278300058 (0xFF01AD9A)
YUV	119.4060, 17.0548, -103.8421
Hunter-Lab	56.7628, -33.9904, 2.4572

Details

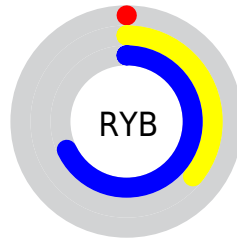
The Yxy color **32.2202, 0.2343, 0.3633** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.9434, 0.6255, 0.3222**, and the grayscale version is **18.4994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0256, 0.2498, 0.3568**, and **14.4122, 0.2368, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **32.2164, 0.2343, 0.3634**, and if you desaturate by 10%, it is **32.4089, 0.2350, 0.3596**.

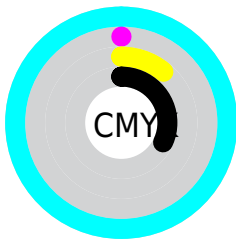
Distribution



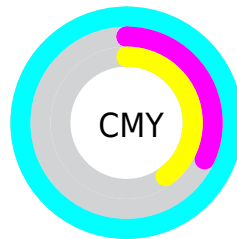
- Red (0%)
- Green (68%)
- Blue (60%)



- Red (0%)
- Yellow (36%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2202, 0.2343, 0.3633 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 32.2202, 0.2343, 0.3633 by changing the saturation by 10% instead.


 32.2202, 0.2343,
0.3633


 32.2202, 0.2343,
0.3633


 312.1211, 0.2754,
0.3454

 21.5297, 0.2235,
0.3680


 63.1561, 0.2497,
0.3566


 13.5118, 0.2092,
0.3741


 84.1704, 0.2553,
0.3542


 7.7819, 0.1898,
0.3823


 109.3947, 0.2600,
0.3521

 3.9557, 0.1618,
0.3941

 139.2135, 0.2641,
0.3504

 1.6488, 0.1037,
0.4188

 174.0112, 0.2675,
0.3489

 0.3902, 0.0000,
0.4486

 214.1720, 0.2705,

 0.0000, 0.0000,

0.3476

0.0000

260.0806, 0.2731,
0.3464

■ 32.2202, 0.2343,
0.3633

■ 32.2202, 0.2343,
0.3633

■ 32.2164, 0.2343,
0.3634

■ 32.4089, 0.2350,
0.3596

■ 32.7064, 0.2371,
0.3558

■ 33.1541, 0.2410,
0.3520

■ 33.7714, 0.2468,
0.3483

■ 34.5747, 0.2545,
0.3446

■ 35.5787, 0.2638,
0.3411

■ 36.7962, 0.2746,
0.3377

■ 38.2393, 0.2866,
0.3345

■ 39.9190, 0.2995,
0.3316

Harmonies

Analogous

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



32.2202, 0.2882, 0.4246



32.2202, 0.2343, 0.3633



32.2202, 0.2031, 0.2969

Triad

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



32.2202, 0.2343, 0.3633



32.2202, 0.2642, 0.2316



32.2202, 0.4406, 0.3907

Complementary

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



32.2202, 0.2343, 0.3633



8.9434, 0.6255, 0.3222

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.



32.2202, 0.4361, 0.3411



32.2202, 0.2343, 0.3633



32.2202, 0.3275, 0.2546

Square

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



32.2202, 0.2343, 0.3633



32.2202, 0.2192, 0.2290



32.2202, 0.3929, 0.2932



32.2202, 0.4082, 0.4325

Rectangle

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



32.2202, 0.2343, 0.3633



32.2202, 0.1969, 0.2628



32.2202, 0.3929, 0.2932



32.2202, 0.4436, 0.3745

Sweetspot

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



32.2214, 0.2343, 0.3633



65.7114, 0.2737, 0.3380



30.0421, 0.3031, 0.5973



14.0802, 0.2691, 0.3393



86.8899, 0.3127, 0.3290



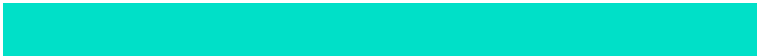
16.2647, 0.3127, 0.3290

Same Dimension

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



32.2214, 0.2343, 0.3633



57.6811, 0.2345, 0.3640



13.5091, 0.1888, 0.1993



9.0567, 0.3001, 0.3315



23.6741, 0.2342, 0.3630



0.6628, 0.2310, 0.3517

Inverse Universe

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



8.9434, 0.6255, 0.3222



15.9803, 0.6287, 0.3237



12.8546, 0.5728, 0.3831



8.0292, 0.3270, 0.3265



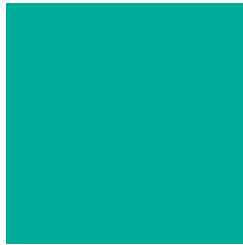
6.5660, 0.6244, 0.3213



0.1871, 0.5696, 0.2912

Previews

White Background



This preview shows how the Yxy color 32.2202, 0.2343, 0.3633 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 32.2202, 0.2343, 0.3633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

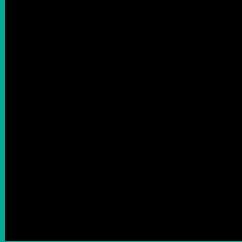
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2202, 0.2343, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 32.2202, 0.2343, 0.3633.

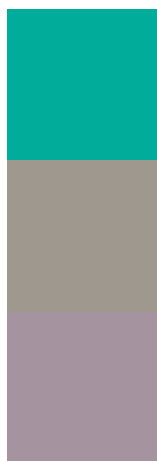


This preview shows how white text looks on a background with the Yxy color 32.2202, 0.2343, 0.3633.

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

32.2267, 0.2343, 0.3633

Protanopia

31.6786, 0.3284, 0.3443

Deuteranopia

31.6823, 0.3196, 0.3129



Tritanopia

32.3527, 0.2248, 0.3053

Trichromacy



Original Color

32.2267, 0.2343, 0.3633



Protanomaly

29.9836, 0.2725, 0.3533



Deuteranomaly

29.5515, 0.2667, 0.3289



Tritanomaly

31.9892, 0.2270, 0.3253

Monochromacy



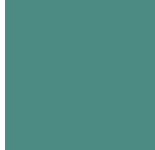
Original Color

32.2267, 0.2343, 0.3633



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.6677, 0.2592, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2202, 0.2343, 0.3633 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(1, 173, 154)` looks like.

```
.text, #text, p{  
    color:rgb(1, 173, 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(1, 173, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 173, 154) }
```

Border

The CSS property to change the border of an element to Yxy 32.2202, 0.2343, 0.3633 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(1, 173, 154) }
```

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

```
.border{ border-color:rgb(1, 173, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 173, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 173, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 173, 154);  
box-shadow:4px 4px 4px 4px rgb(1, 173,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2202, 0.2343, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 173, 154) }
```

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

```
.background{ background-color: rgb(1, 173,  
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](#).

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