

Converting Colors

$Yxy(22.0492, 0.1055, 0.3594)$

Have a look what the booklet for
Yxy(22.0492, 0.1055, 0.3594)
contains.

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Color

Yxy(28.3964, 0.2315, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	00A396
RGB	0, 163, 150
RGB Percent	0%, 64%, 59%
CMY	1.0000, 0.3608, 0.4118
CMYK	1.00, 0.00, 0.08, 0.36
HSL	175°, 100%, 32%
HSV	175°, 100%, 64%
XYZ	18.6015, 28.3964, 33.3541
YIQ	112.7810, -92.9750, -38.5990

Conversions

Conversions Part 2

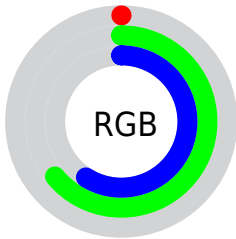
Format	Color
RYB	0, 85, 163
Decimal	41878
CIELab	60.25, -38.35, -3.36
CIElCh	60, 38.495, 185.014
Yxy	28.3964, 0.2315, 0.3534
Android (android.graphics.Color)	4278231958 (0xFF00A396)
YUV	112.7810, 18.3490, -98.9089
Hunter-Lab	53.2883, -30.9450, 0.1911

Details

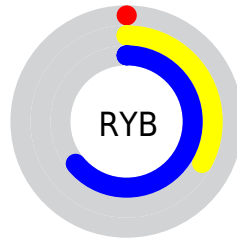
The Yxy color **28.3964, 0.2315, 0.3534** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.8160, 0.6302, 0.3245**, and the grayscale version is **16.4111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2980, 0.2479, 0.3494**, and **12.0527, 0.2330, 0.3587** is the 20% darker color. If you saturate the color by 10%, you get **28.3978, 0.2315, 0.3534**, and if you desaturate by 10%, it is **28.5527, 0.2325, 0.3508**.

Distribution



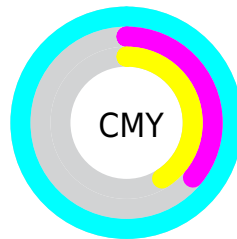
- Red (0%)
- Green (64%)
- Blue (59%)



- Red (0%)
- Yellow (33%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (36%)




- Cyan (100%)
- Magenta (36%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3964, 0.2315, 0.3534 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 28.3964, 0.2315, 0.3534 by changing the saturation by 10% instead.


 28.3964, 0.2315,
0.3534


 28.3964, 0.2315,
0.3534


294.3562, 0.2747,
0.3409


 18.6247, 0.2199,
0.3566


 57.1167, 0.2478,
0.3488


 11.3994, 0.2045,
0.3606


 76.8341, 0.2538,
0.3471

 6.3362, 0.1832,
0.3659


 100.6354, 0.2587,
0.3456

 3.0505, 0.1522,
0.3728

 128.9052, 0.2629,
0.3444

 1.1582, 0.0495,
0.4044

 162.0278, 0.2665,
0.3434

 0.0271, 0.0000,
0.0930

 200.3876, 0.2696,

 0.0000, 0.0000,

0.3424

0.0000

244.3689, 0.2723,
0.3416

■ 28.3964, 0.2315,
0.3534

■ 28.3964, 0.2315,
0.3534

■ 28.3978, 0.2315,
0.3534

■ 28.5527, 0.2325,
0.3508

■ 28.7993, 0.2349,
0.3481

■ 29.1761, 0.2390,
0.3455

■ 29.6998, 0.2450,
0.3428

■ 30.3847, 0.2528,
0.3402

■ 31.2433, 0.2623,
0.3377

■ 32.2868, 0.2733,
0.3353

■ 33.5257, 0.2855,
0.3330

■ 34.9695, 0.2988,
0.3309

Harmonies

Analogous

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



28.3964, 0.2815, 0.4147



28.3964, 0.2315, 0.3534



28.3964, 0.2043, 0.2909

Triad

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



28.3964, 0.2315, 0.3534



28.3964, 0.2731, 0.2364



28.3964, 0.4342, 0.3952

Complementary

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



28.3964, 0.2315, 0.3534



7.8160, 0.6302, 0.3245

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.



28.3964, 0.4347, 0.3474



28.3964, 0.2315, 0.3534



28.3964, 0.3358, 0.2610

Square

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



28.3964, 0.2315, 0.3534



28.3964, 0.2265, 0.2311



28.3964, 0.3973, 0.3002



28.3964, 0.3992, 0.4332

Rectangle

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



28.3964, 0.2315, 0.3534



28.3964, 0.2006, 0.2599



28.3964, 0.3973, 0.3002



28.3964, 0.4387, 0.3798

Sweetspot

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



28.3978, 0.2315, 0.3534



57.7072, 0.2726, 0.3354



26.2858, 0.3021, 0.5983



12.7848, 0.2681, 0.3364



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.3978, 0.2315, 0.3534



50.8417, 0.2316, 0.3539



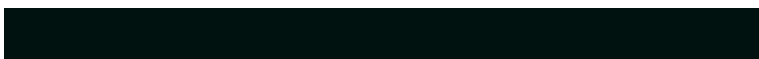
10.8443, 0.1855, 0.1878



8.0015, 0.2998, 0.3308



22.0723, 0.2314, 0.3532



0.4665, 0.2288, 0.3435

Inverse Universe

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



7.8160, 0.6302, 0.3245



13.9852, 0.6324, 0.3258



11.9113, 0.5634, 0.3909



7.0947, 0.3273, 0.3272



6.0772, 0.6289, 0.3238



0.1303, 0.5818, 0.2979

Previews

White Background



This preview shows how the Yxy color 28.3964, 0.2315, 0.3534 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3964, 0.2315, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

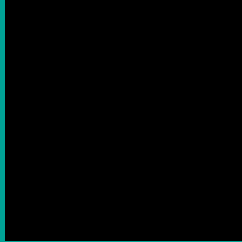
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3964, 0.2315, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 28.3964, 0.2315, 0.3534.

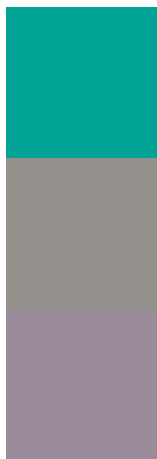


This preview shows how white text looks on a background with the Yxy color 28.3964, 0.2315, 0.3534.

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

28.3964, 0.2315, 0.3534

Protanopia

28.1065, 0.3219, 0.3371

Deuteranopia

27.9927, 0.3127, 0.3059



Tritanopia

28.5901, 0.2241, 0.3058

Trichromacy



Original Color

28.3964, 0.2315, 0.3534



Protanomaly

26.4961, 0.2675, 0.3434



Deuteranomaly

26.0764, 0.2623, 0.3200



Tritanomaly

28.4130, 0.2256, 0.3215

Monochromacy



Original Color

28.3964, 0.2315, 0.3534



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.1167, 0.2584, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3964, 0.2315, 0.3534 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, 163, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 150)  
}
```

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, 163, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 150) }
```

Border

The CSS property to change the border of an element to Yxy 28.3964, 0.2315, 0.3534 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, 163, 150) }
```

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

```
.border{ border-color:rgb(0, 163, 150) }
```

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

Here you see how a box with a 4 pixel rgb(0, 163, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3964, 0.2315, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 150) }
```

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

```
.background{ background-color: rgb(0, 163,  
150) }
```

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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