

Converting Colors

$Yxy(29.0103, 0.2373, 0.3489)$

Have a look what the booklet for
Yxy(29.0103, 0.2373, 0.3489)
contains.

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Color

$\text{Yxy}(28.9328, 0.2375, 0.3492)$

Conversions

Conversions Part 1

Format	Color
Hex	29A398
RGB	41, 163, 152
RGB Percent	16%, 64%, 60%
CMY	0.8392, 0.3608, 0.4040
CMYK	0.75, 0.00, 0.07, 0.36
HSL	175°, 60%, 40%
HSV	175°, 75%, 64%
XYZ	19.6779, 28.9328, 34.2438
YIQ	125.2680, -69.1810, -29.2850

Conversions

Conversions Part 2

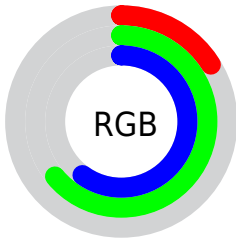
Format	Color
R _Y B	41, 105, 163
Decimal	2728856
CIE Lab	60.72, -34.91, -3.73
CIE LCh	61, 35.108, 186.099
Yxy	28.9328, 0.2375, 0.3492
Android (android.graphics.Color)	4280918936 (0xFF29A398)
YUV	125.2680, 13.1789, -73.9030
Hunter-Lab	53.7892, -28.8297, -0.0933

Details

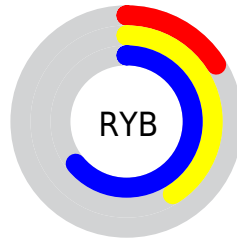
The Yxy color **28.9328, 0.2375, 0.3492** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.6222, 0.5437, 0.3167**, and the grayscale version is **20.5769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7248, 0.2527, 0.3450**, and **12.0914, 0.2314, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **28.6173, 0.2343, 0.3522**, and if you desaturate by 10%, it is **29.3899, 0.2425, 0.3462**.

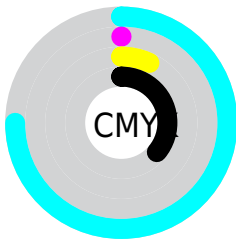
Distribution



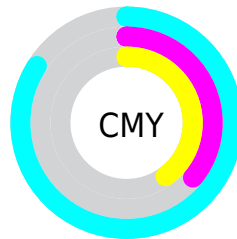
- Red (16%)
- Green (64%)
- Blue (60%)



- Red (16%)
- Yellow (41%)
- Blue (64%)



- Cyan (75%)
- Magenta (0%)
- Yellow (7%)
- Black (36%)




- Cyan (84%)
- Magenta (36%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9328, 0.2375, 0.3492 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 28.9328, 0.2375, 0.3492 by changing the saturation by 10% instead.


 28.9328, 0.2375,
0.3492


 28.9328, 0.2375,
0.3492

296.8978, 0.2775,
0.3389


 19.0300, 0.2268,
0.3518


 57.9703, 0.2526,
0.3455

 11.6920, 0.2125,
0.3550


 77.8738, 0.2581,
0.3441

 6.5343, 0.1929,
0.3592


 101.8796, 0.2627,
0.3429

 3.1726, 0.1641,
0.3646

 130.3722, 0.2665,
0.3419

 1.2225, 0.0868,
0.3845

 163.7359, 0.2698,
0.3410

 0.0800, 0.0000,
0.1869

202.3551, 0.2727,

 0.0000, 0.0000,

0.3402

0.0000

246.6143, 0.2752,
0.3395

■ 28.9328, 0.2375,
0.3492

■ 28.9328, 0.2375,
0.3492

■ 28.6173, 0.2343,
0.3522

■ 29.3899, 0.2425,
0.3462

■ 28.4211, 0.2329,
0.3552

■ 30.0006, 0.2494,
0.3432

■ 28.3426, 0.2325,
0.3568

■ 30.7792, 0.2580,
0.3402

■ 31.7376, 0.2682,
0.3374

■ 32.8865, 0.2798,
0.3348

■ 34.2360, 0.2925,
0.3323

■ 35.7952, 0.3060,
0.3300

■ 37.5727, 0.3200,
0.3280

■ 39.5769, 0.3344,
0.3261

Harmonies

Analogous

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



28.9328, 0.2829, 0.4043



28.9328, 0.2375, 0.3492



28.9328, 0.2130, 0.2933

Triad

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



28.9328, 0.2375, 0.3492



28.9328, 0.2787, 0.2445



28.9328, 0.4227, 0.3919

Complementary

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



28.9328, 0.2375, 0.3492



9.6222, 0.5437, 0.3167

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.



28.9328, 0.4239, 0.3484



28.9328, 0.2375, 0.3492



28.9328, 0.3361, 0.2678

Square

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



28.9328, 0.2375, 0.3492



28.9328, 0.2351, 0.2392



28.9328, 0.3911, 0.3045



28.9328, 0.3904, 0.4250

Rectangle

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



28.9328, 0.2375, 0.3492



28.9328, 0.2099, 0.2653



28.9328, 0.3911, 0.3045



28.9328, 0.4269, 0.3780

Sweetspot

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



28.9339, 0.2375, 0.3492



59.4475, 0.2828, 0.3342



27.1188, 0.3079, 0.5575



13.2208, 0.2797, 0.3348



82.7571, 0.3127, 0.3290



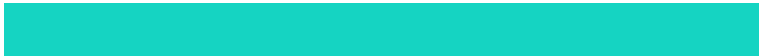
14.7319, 0.3127, 0.3290

Same Dimension

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



28.9339, 0.2375, 0.3492



50.9880, 0.2332, 0.3543



15.1980, 0.2067, 0.2316



8.0002, 0.2999, 0.3310



22.0297, 0.2324, 0.3565



0.4659, 0.2293, 0.3456

Inverse Universe

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



9.6222, 0.5437, 0.3167



14.6299, 0.6078, 0.3213



15.2277, 0.4986, 0.3965



7.0959, 0.3271, 0.3270



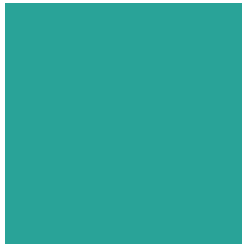
6.0810, 0.6273, 0.3229



0.1307, 0.5751, 0.2942

Previews

White Background



This preview shows how the Yxy color 28.9328, 0.2375, 0.3492 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 28.9328, 0.2375, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

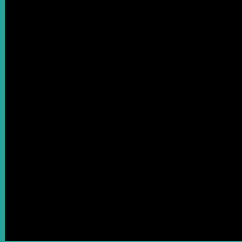
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9328, 0.2375, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 28.9328, 0.2375, 0.3492.

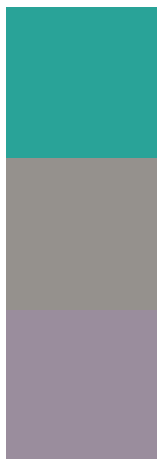


This preview shows how white text looks on a background with the Yxy color 28.9328, 0.2375, 0.3492.

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

28.9328, 0.2375, 0.3492

Protanopia

28.5634, 0.3209, 0.3354

Deuteranopia

28.3541, 0.3107, 0.3044



Tritanopia

28.9430, 0.2288, 0.3061

Trichromacy



Original Color

28.9328, 0.2375, 0.3492



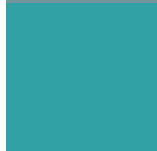
Protanomaly

27.8158, 0.2792, 0.3411



Deuteranomaly

27.3722, 0.2733, 0.3186



Tritanomaly

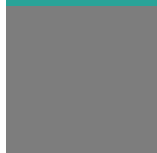
28.8593, 0.2318, 0.3216

Monochromacy



Original Color

28.9328, 0.2375, 0.3492



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

22.5942, 0.2714, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9328, 0.2375, 0.3492 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(41, 163, 152)` looks like.

```
.text, #text, p{  
  color:rgb(41, 163, 152)  
}
```

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(41, 163, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 163, 152) }
```

Border

The CSS property to change the border of an element to Yxy 28.9328, 0.2375, 0.3492 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(41, 163, 152) }
```

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

```
.border{ border-color:rgb(41, 163, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 163, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 163, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 163, 152);  
box-shadow:4px 4px 4px 4px rgb(41, 163,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9328, 0.2375, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 163, 152) }
```

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

```
.background{ background-color: rgb(41, 163,  
152) }
```

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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