

Converting Colors

$Yxy(28.8039, 0.2398, 0.3568)$

Have a look what the booklet for
Yxy(28.8039, 0.2398, 0.3568)
contains.

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Color

$Y_{xy}(28.8039, 0.2398, 0.3568)$

Conversions

Conversions Part 1

Format	Color
Hex	29A394
RGB	41, 163, 148
RGB Percent	16%, 64%, 58%
CMY	0.8391, 0.3608, 0.4195
CMYK	0.75, 0.00, 0.09, 0.36
HSL	173°, 60%, 40%
HSV	173°, 75%, 64%
XYZ	19.3587, 28.8039, 32.5658
YIQ	124.8120, -67.8970, -30.5290

Conversions

Conversions Part 2

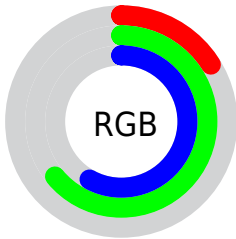
Format	Color
RYB	41, 106, 163
Decimal	2728852
CIELab	60.61, -36.03, -1.67
CIELCh	61, 36.064, 182.651
Yxy	28.8039, 0.2398, 0.3568
Android (android.graphics.Color)	4280918932 (0xFF29A394)
YUV	124.8120, 11.4317, -73.5031
Hunter-Lab	53.6693, -29.5357, 1.5920

Details

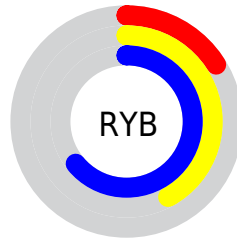
The Yxy color **28.8039, 0.2398, 0.3568** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.6590, 0.5359, 0.3116**, and the grayscale version is **20.4222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9915, 0.2545, 0.3519**, and **12.0149, 0.2346, 0.3644** is the 20% darker color. If you saturate the color by 10%, you get **28.4735, 0.2369, 0.3610**, and if you desaturate by 10%, it is **29.2764, 0.2446, 0.3526**.

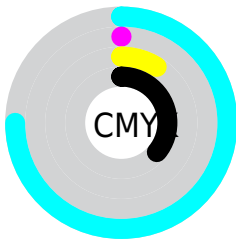
Distribution



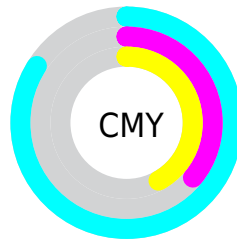
- Red (16%)
- Green (64%)
- Blue (58%)



- Red (16%)
- Yellow (42%)
- Blue (64%)



- Cyan (75%)
- Magenta (0%)
- Yellow (9%)
- Black (36%)





- Cyan (84%)
- Magenta (36%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8039, 0.2398, 0.3568 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 28.8039, 0.2398, 0.3568 by changing the saturation by 10% instead.


 28.8039, 0.2398,
0.3568


 28.8039, 0.2398,
0.3568


296.2886, 0.2787,
0.3422


 18.9325, 0.2293,
0.3607


 57.7654, 0.2545,
0.3513


 11.6215, 0.2153,
0.3657


 77.6243, 0.2599,
0.3493


 6.4865, 0.1958,
0.3727


 101.5811, 0.2643,
0.3476

 3.1431, 0.1671,
0.3825

 130.0203, 0.2681,
0.3462

 1.2069, 0.0815,
0.4153

 163.3263, 0.2713,
0.3450

 0.0673, 0.0000,
0.2617

201.8834, 0.2741,

 0.0000, 0.0000,

0.3439

0.0000

246.0760, 0.2766,
0.3430

■ 28.8039, 0.2398,
0.3568

■ 28.8039, 0.2398,
0.3568

■ 28.4735, 0.2369,
0.3610

■ 29.2764, 0.2446,
0.3526

■ 28.2630, 0.2357,
0.3652

■ 29.9029, 0.2512,
0.3485

■ 28.1772, 0.2354,
0.3674

■ 30.6979, 0.2596,
0.3444

■ 31.6731, 0.2696,
0.3406

■ 32.8394, 0.2808,
0.3369

■ 34.2067, 0.2931,
0.3335

■ 35.7843, 0.3062,
0.3304

■ 37.5807, 0.3198,
0.3276

■ 39.6042, 0.3336,
0.3250

Harmonies

Analogous

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



28.8039, 0.2882, 0.4118



28.8039, 0.2398, 0.3568



28.8039, 0.2120, 0.2980

Triad

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



28.8039, 0.2398, 0.3568



28.8039, 0.2717, 0.2407



28.8039, 0.4277, 0.3885

Complementary

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



28.8039, 0.2398, 0.3568



9.6590, 0.5359, 0.3116

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.



28.8039, 0.4249, 0.3433



28.8039, 0.2398, 0.3568



28.8039, 0.3296, 0.2627

Square

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



28.8039, 0.2398, 0.3568



28.8039, 0.2292, 0.2375



28.8039, 0.3877, 0.2990



28.8039, 0.3975, 0.4246

Rectangle

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



28.8039, 0.2398, 0.3568



28.8039, 0.2071, 0.2676



28.8039, 0.3877, 0.2990



28.8039, 0.4308, 0.3739

Sweetspot

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



28.8050, 0.2398, 0.3568



59.3738, 0.2837, 0.3361



27.2327, 0.3103, 0.5559



13.2024, 0.2807, 0.3370



82.7571, 0.3127, 0.3290



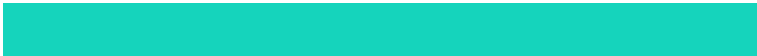
14.7319, 0.3127, 0.3290

Same Dimension

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



28.8050, 0.2398, 0.3568



50.7156, 0.2359, 0.3639



16.1373, 0.2089, 0.2401



7.9962, 0.3003, 0.3318



21.9034, 0.2353, 0.3670



0.4642, 0.2311, 0.3518

Inverse Universe

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



9.6590, 0.5359, 0.3116



14.6735, 0.6006, 0.3172



14.5615, 0.5045, 0.3905



7.0995, 0.3266, 0.3263



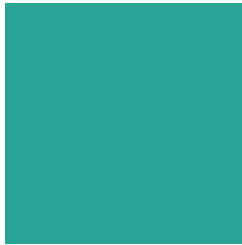
6.0948, 0.6216, 0.3198



0.1320, 0.5558, 0.2835

Previews

White Background



This preview shows how the Yxy color 28.8039, 0.2398, 0.3568 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 28.8039, 0.2398, 0.3568 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 28.8039, 0.2398, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 28.8039, 0.2398, 0.3568.



This preview shows how white text looks on a background with the Yxy color 28.8039, 0.2398, 0.3568.

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

28.8039, 0.2398, 0.3568

Protanopia

28.4753, 0.3239, 0.3402

Deuteranopia

28.4176, 0.3168, 0.3106



Tritanopia

28.6156, 0.2297, 0.3060

Trichromacy



Original Color

28.8039, 0.2398, 0.3568

Protanomaly

27.7245, 0.2817, 0.3465

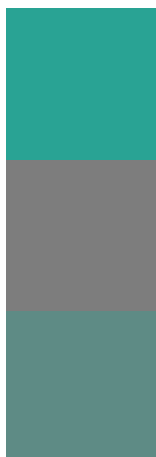
Deuteranomaly

27.3067, 0.2774, 0.3255

Tritanomaly

28.4898, 0.2332, 0.3234

Monochromacy



Original Color

28.8039, 0.2398, 0.3568

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

22.5384, 0.2731, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8039, 0.2398, 0.3568 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(41, 163, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 163, 148) }
```

Border

The CSS property to change the border of an element to Yxy 28.8039, 0.2398, 0.3568 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, 148) }
```

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

```
.border{ border-color:rgb(41, 163, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 163, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 163, 148);  
box-shadow:4px 4px 4px 4px rgb(41, 163,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8039, 0.2398, 0.3568 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, 148) }
```

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

```
.background{ background-color: rgb(41, 163,  
148) }
```

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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