

Converting Colors

$Y_{xy}(29.8349, 0.3442, 0.3844)$

Have a look what the booklet for
Yxy(29.8349, 0.3442, 0.3844)
contains.

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Color

Yxy(29.8071, 0.3435, 0.3838)

Conversions

Conversions Part 1

Format	Color
Hex	959775
RGB	149, 151, 117
RGB Percent	58%, 59%, 46%
CMY	0.4155, 0.4079, 0.5411
CMYK	0.01, 0.00, 0.23, 0.41
HSL	63°, 14%, 53%
HSV	63°, 23%, 59%
XYZ	26.6773, 29.8071, 21.1787
YIQ	146.5260, 9.7220, -10.9980

Conversions

Conversions Part 2

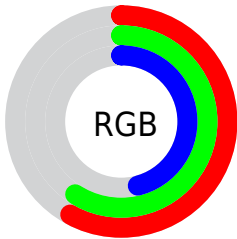
Format	Color
R_{YB}	117, 151, 119
Decimal	9803637
CIE Lab	61.49, -6.63, 17.72
CIE LCh	61, 18.918, 110.510
Yxy	29.8071, 0.3435, 0.3838
Android (android.graphics.Color)	4287993717 (0xFF959775)
YUV	146.5260, -14.5563, 2.1697
Hunter-Lab	54.5959, -8.3220, 15.2175

Details

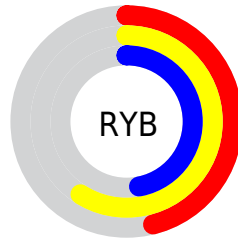
The Yxy color $29.8071, 0.3435, 0.3838$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $18.8776, 0.2780, 0.2685$, and the grayscale version is $29.0328, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.2237, 0.3373, 0.3725$, and $12.1407, 0.3530, 0.4017$ is the 20% darker color. If you saturate the color by 10%, you get $29.4000, 0.3571, 0.4085$, and if you desaturate by 10%, it is $30.2748, 0.3297, 0.3590$.

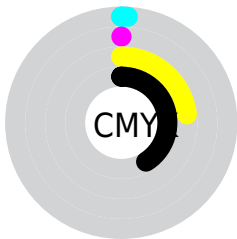
Distribution



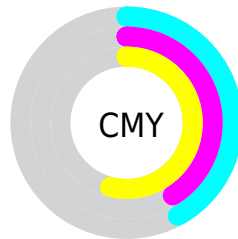
- Red (58%)
- Green (59%)
- Blue (46%)



- Red (46%)
- Yellow (59%)
- Blue (47%)



- Cyan (1%)
- Magenta (0%)
- Yellow (23%)
- Black (41%)





- Cyan (42%)
- Magenta (41%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8071, 0.3435, 0.3838 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 29.8071, 0.3435, 0.3838 by changing the saturation by 10% instead.


 29.8071, 0.3435,
0.3838

 29.8071, 0.3435,
0.3838


301.0043, 0.3273,
0.3540


 19.6922, 0.3478,
0.3921


 59.3570, 0.3374,
0.3723

 12.1715, 0.3534,
0.4033


 79.5608, 0.3352,
0.3682

 6.8606, 0.3610,
0.4193


 103.8963, 0.3333,
0.3648

 3.3751, 0.3718,
0.4435

132.7480, 0.3317,
0.3620

 1.3305, 0.4188,
0.5237

166.5003, 0.3304,
0.3595

 0.1647, 0.0000,
1.0000

205.5375, 0.3292,

 0.0000, 0.0000,

0.3574

0.0000

250.2440, 0.3282,
0.3556

■ 29.8071, 0.3435,
0.3838

■ 29.8071, 0.3435,
0.3838

■ 29.4000, 0.3571,
0.4085

■ 30.2748, 0.3297,
0.3590

■ 29.0467, 0.3701,
0.4324

■ 30.8016, 0.3161,
0.3349

■ 28.7456, 0.3819,
0.4544

■ 31.3913, 0.3030,
0.3118

■ 28.4935, 0.3919,
0.4738

■ 32.0461, 0.2905,
0.2902

■ 28.2867, 0.3998,
0.4896

■ 32.7682, 0.2790,
0.2701

■ 28.1210, 0.4053,
0.5014

■ 33.5597, 0.2683,
0.2517

■ 27.9917, 0.4083,
0.5091

■ 34.4225, 0.2585,
0.2349

■ 27.9089, 0.4095,
0.5131

■ 35.3585, 0.2496,
0.2196

■ 36.3696, 0.2415,
0.2059

Harmonies

Analogous

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



29.8071, 0.3659, 0.3744



29.8071, 0.3435, 0.3838



29.8071, 0.3135, 0.3771

Triad

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



29.8071, 0.3435, 0.3838



29.8071, 0.2551, 0.2996



29.8071, 0.3405, 0.3043

Complementary

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



29.8071, 0.3435, 0.3838



18.8776, 0.2780, 0.2685

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.



29.8071, 0.3096, 0.2865



29.8071, 0.3435, 0.3838



29.8071, 0.2614, 0.2828

Square

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



29.8071, 0.3435, 0.3838



29.8071, 0.2632, 0.3261



29.8071, 0.2808, 0.2785



29.8071, 0.3646, 0.3285

Rectangle

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



29.8071, 0.3435, 0.3838



29.8071, 0.2934, 0.3639



29.8071, 0.2808, 0.2785



29.8071, 0.3305, 0.2975

Sweetspot

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



29.8084, 0.3435, 0.3838



54.7172, 0.3223, 0.3460



20.9870, 0.3565, 0.3320



12.4253, 0.3230, 0.3472



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



29.8084, 0.3435, 0.3838



53.0084, 0.3504, 0.3963



28.3451, 0.3255, 0.3871



7.2048, 0.3252, 0.3511



23.7497, 0.4095, 0.5130



0.3598, 0.4142, 0.5093

Inverse Universe

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



18.8776, 0.2780, 0.2685



29.8936, 0.2690, 0.2529



20.1675, 0.2971, 0.2717



6.0424, 0.2997, 0.3061



1.9529, 0.1524, 0.0613



0.0331, 0.1644, 0.0679

Previews

White Background



This preview shows how the Yxy color 29.8071, 0.3435, 0.3838 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 29.8071, 0.3435, 0.3838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

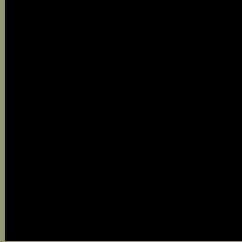
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

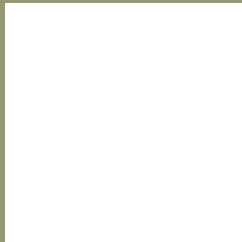
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.8071, 0.3435, 0.3838

Background



This preview shows how black text looks on a background with the Yxy color 29.8071, 0.3435, 0.3838.



This preview shows how white text looks on a background with the Yxy color 29.8071, 0.3435, 0.3838.

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

29.8071, 0.3435, 0.3838

Protanopia

29.7099, 0.3554, 0.3792

Deuteranopia

29.8611, 0.3712, 0.3648



Tritanopia

29.8621, 0.3104, 0.3122

Trichromacy



Original Color

29.8071, 0.3435, 0.3838

Protanomaly

29.7244, 0.3517, 0.3813

Deuteranomaly

29.7583, 0.3608, 0.3721

Tritanomaly

29.8082, 0.3227, 0.3384

Monochromacy



Original Color

29.8071, 0.3435, 0.3838

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.2533, 0.3244, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8071, 0.3435, 0.3838 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(149, 151, 117)` looks like.

```
.text, #text, p{  
    color:rgb(149, 151, 117)  
}
```

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(149, 151, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 151, 117) }
```

Border

The CSS property to change the border of an element to Yxy 29.8071, 0.3435, 0.3838 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(149, 151, 117) }
```

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

```
.border{ border-color:rgb(149, 151, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 151, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 151, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 151, 117);  
box-shadow:4px 4px 4px 4px rgb(149, 151,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8071, 0.3435, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 151, 117) }
```

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

```
.background{ background-color: rgb(149,  
151, 117) }
```

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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