

Converting Colors

$Y_{xy}(28.3491, 0.3842, 0.4200)$

Have a look what the booklet for
Yxy(28.3491, 0.3842, 0.4200)
contains.

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Color

Yxy(28.4140, 0.3840, 0.4212)

Conversions

Conversions Part 1

Format	Color
Hex	9D9257
RGB	157, 146, 87
RGB Percent	62%, 57%, 34%
CMY	0.3843, 0.4274, 0.6587
CMYK	0.00, 0.07, 0.45, 0.38
HSL	51°, 29%, 48%
HSV	51°, 45%, 62%
XYZ	25.9045, 28.4140, 13.1411
YIQ	142.5630, 25.4950, -16.0170

Conversions

Conversions Part 2

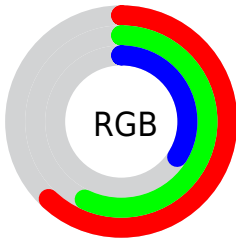
Format	Color
RYB	100, 157, 87
Decimal	10326615
CIELab	60.26, -4.53, 32.65
CIELCh	60, 32.960, 97.906
Yxy	28.4140, 0.3840, 0.4212
Android (android.graphics.Color)	4288516695 (0xFF9D9257)
YUV	142.5630, -27.3926, 12.6612
Hunter-Lab	53.3048, -6.5378, 22.6967

Details

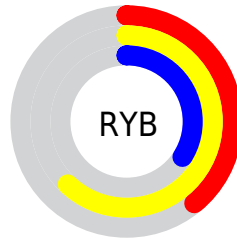
The Yxy color $28.4140, 0.3840, 0.4212$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $13.2012, 0.2348, 0.2154$, and the grayscale version is $27.3899, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.2897, 0.3702, 0.4026$, and $11.4620, 0.4043, 0.4510$ is the 20% darker color. If you saturate the color by 10%, you get $27.4334, 0.4000, 0.4397$, and if you desaturate by 10%, it is $29.4695, 0.3674, 0.4010$.

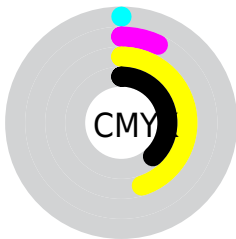
Distribution



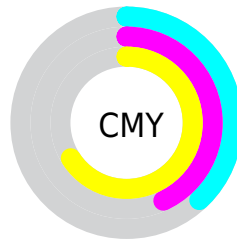
- Red (62%)
- Green (57%)
- Blue (34%)



- Red (39%)
- Yellow (62%)
- Blue (34%)



- Cyan (0%)
- Magenta (7%)
- Yellow (45%)
- Black (38%)





- Cyan (38%)
- Magenta (43%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4140, 0.3840, 0.4212 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 28.4140, 0.3840, 0.4212 by changing the saturation by 10% instead.


 28.4140, 0.3840,
0.4212


 28.4140, 0.3840,
0.4212


294.4399, 0.3467,
0.3717

 18.6380, 0.3934,
0.4343


 57.1447, 0.3702,
0.4026


 11.4090, 0.4053,
0.4512


 76.8682, 0.3651,
0.3958


 6.3426, 0.4201,
0.4736


 100.6763, 0.3608,
0.3901

 3.0545, 0.4526,
0.5202

 128.9535, 0.3571,
0.3853

 1.1603, 0.4568,
0.5432

 162.0840, 0.3539,
0.3811

 0.0289, 0.0000,
1.0000

200.4523, 0.3512,

 0.0000, 0.0000,

0.3776

0.0000

244.4428, 0.3488,
0.3745

■ 28.4140, 0.3840,
0.4212

■ 28.4140, 0.3840,
0.4212

■ 27.4334, 0.4000,
0.4397

■ 29.4695, 0.3674,
0.4010

■ 26.5200, 0.4148,
0.4556

■ 30.5993, 0.3508,
0.3799

■ 25.6708, 0.4277,
0.4680

■ 31.8079, 0.3347,
0.3588

■ 24.8812, 0.4382,
0.4762

■ 33.0983, 0.3194,
0.3381

■ 24.1451, 0.4459,
0.4800

■ 34.4733, 0.3051,
0.3184

■ 23.7595, 0.4496,
0.4812

■ 35.9355, 0.2919,
0.2999

■ 37.4874, 0.2798,
0.2826

■ 39.1313, 0.2688,
0.2666

■ 40.8695, 0.2589,
0.2520

Harmonies

Analogous

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



28.4140, 0.4157, 0.3914



28.4140, 0.3840, 0.4212



28.4140, 0.3346, 0.4260

Triad

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



28.4140, 0.3840, 0.4212



28.4140, 0.2173, 0.2928



28.4140, 0.3383, 0.2727

Complementary

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



28.4140, 0.3840, 0.4212



13.2012, 0.2348, 0.2154

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.



28.4140, 0.2837, 0.2495



28.4140, 0.3840, 0.4212



28.4140, 0.2180, 0.2574

Square

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



28.4140, 0.3840, 0.4212



28.4140, 0.2395, 0.3448



28.4140, 0.2411, 0.2434



28.4140, 0.3894, 0.3084

Rectangle

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



28.4140, 0.3840, 0.4212



28.4140, 0.2988, 0.4103



28.4140, 0.2411, 0.2434



28.4140, 0.3196, 0.2633

Sweetspot

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



28.4153, 0.3840, 0.4212



57.2619, 0.3326, 0.3560



14.8835, 0.4073, 0.3100



12.4979, 0.3359, 0.3604



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



28.4153, 0.3840, 0.4212



49.2244, 0.3992, 0.4388



29.8438, 0.3519, 0.4458



7.5427, 0.3264, 0.3477



19.3414, 0.4493, 0.4814



0.3893, 0.4357, 0.4923

Inverse Universe

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



13.2012, 0.2348, 0.2154



18.6213, 0.2164, 0.1866



12.5924, 0.2574, 0.2029



6.5953, 0.2988, 0.3096



2.5679, 0.1544, 0.0757



0.0875, 0.1693, 0.1295

Previews

White Background



This preview shows how the Yxy color 28.4140, 0.3840, 0.4212 looks on a white background.

Color Contrast Check

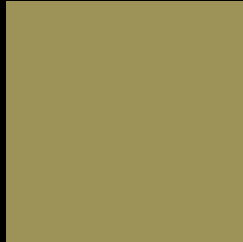
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4140, 0.3840, 0.4212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

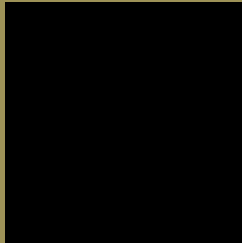
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4140, 0.3840, 0.4212

Background



This preview shows how black text looks on a background with the Yxy color 28.4140, 0.3840, 0.4212.



This preview shows how white text looks on a background with the Yxy color 28.4140, 0.3840, 0.4212.

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

28.4140, 0.3840, 0.4212

Protanopia

28.3098, 0.3870, 0.4191

Deuteranopia

28.4166, 0.4089, 0.4015



Tritanopia

28.5277, 0.3298, 0.3140

Trichromacy



Original Color

28.4140, 0.3840, 0.4212

Protanomaly

28.2080, 0.3858, 0.4195

Deuteranomaly

28.4856, 0.3997, 0.4096

Tritanomaly

28.4294, 0.3504, 0.3540

Monochromacy



Original Color

28.4140, 0.3840, 0.4212

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.6725, 0.3383, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4140, 0.3840, 0.4212 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(157, 146, 87)` looks like.

```
.text, #text, p{  
    color:rgb(157, 146, 87)  
}
```

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(157, 146, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 146, 87) }
```

Border

The CSS property to change the border of an element to Yxy 28.4140, 0.3840, 0.4212 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(157, 146, 87) }
```

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

```
.border{ border-color:rgb(157, 146, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 146, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 146, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 146, 87);  
box-shadow:4px 4px 4px 4px rgb(157, 146,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4140, 0.3840, 0.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 146, 87) }
```

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

```
.background{ background-color: rgb(157,  
146, 87) }
```

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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