

Converting Colors

$Y_{xy}(28.7574, 0.3533, 0.3905)$

Have a look what the booklet for
Yxy(28.7574, 0.3533, 0.3905)
contains.

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Color

Yxy(28.7896, 0.3525, 0.3906)

Conversions

Conversions Part 1

Format	Color
Hex	96946E
RGB	150, 148, 110
RGB Percent	59%, 58%, 43%
CMY	0.4118, 0.4196, 0.5687
CMYK	0.00, 0.01, 0.27, 0.41
HSL	57°, 16%, 51%
HSV	57°, 27%, 59%
XYZ	25.9814, 28.7896, 18.9351
YIQ	144.2660, 13.3900, -11.3940

Conversions

Conversions Part 2

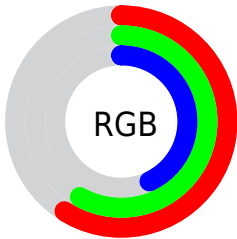
Format	Color
R_{YB}	112, 150, 110
Decimal	9868398
CIE Lab	60.60, -5.66, 20.43
CIE LCh	61, 21.195, 105.476
Yxy	28.7896, 0.3525, 0.3906
Android (android.graphics.Color)	4288058478 (0xFF96946E)
YUV	144.2660, -16.8931, 5.0287
Hunter-Lab	53.6559, -7.4642, 16.6358

Details

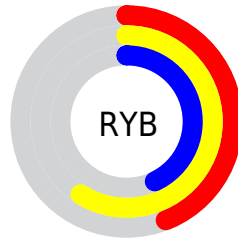
The Yxy color $28.7896, 0.3525, 0.3906$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $17.1004, 0.2684, 0.2589$, and the grayscale version is $28.0683, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.8288, 0.3448, 0.3775$, and $11.5498, 0.3664, 0.4113$ is the 20% darker color. If you saturate the color by 10%, you get $28.2574, 0.3676, 0.4136$, and if you desaturate by 10%, it is $29.3812, 0.3373, 0.3672$.

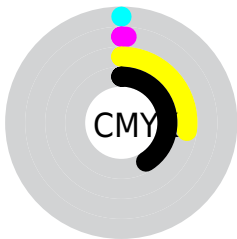
Distribution



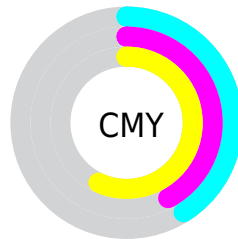
- Red (59%)
- Green (58%)
- Blue (43%)



- Red (44%)
- Yellow (59%)
- Blue (43%)



- Cyan (0%)
- Magenta (1%)
- Yellow (27%)
- Black (41%)




- Cyan (41%)
- Magenta (42%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7896, 0.3525, 0.3906 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 28.7896, 0.3525, 0.3906 by changing the saturation by 10% instead.


 28.7896, 0.3525,
0.3906

 28.7896, 0.3525,
0.3906

296.2209, 0.3314,
0.3570

 18.9217, 0.3581,
0.3999


 57.7426, 0.3446,
0.3777


 11.6137, 0.3655,
0.4125


 77.5966, 0.3417,
0.3731

 6.4812, 0.3754,
0.4303


 101.5480, 0.3392,
0.3692

 3.1398, 0.3892,
0.4569

 129.9813, 0.3372,
0.3660

 1.2052, 0.4495,
0.5505

163.2808, 0.3354,
0.3633

 0.0659, 0.0000,
1.0000

201.8310, 0.3339,

 0.0000, 0.0000,

0.3609

0.0000

246.0162, 0.3326,
0.3588

■ 28.7896, 0.3525,
0.3906

■ 28.7896, 0.3525,
0.3906

■ 28.2574, 0.3676,
0.4136

■ 29.3812, 0.3373,
0.3672

■ 27.7780, 0.3820,
0.4352

■ 30.0309, 0.3224,
0.3440

■ 27.3496, 0.3952,
0.4547

■ 30.7424, 0.3080,
0.3217

■ 26.9689, 0.4067,
0.4711

■ 31.5181, 0.2946,
0.3005

■ 26.6321, 0.4159,
0.4838

■ 32.3601, 0.2820,
0.2807

■ 26.3349, 0.4226,
0.4923

■ 33.2705, 0.2705,
0.2623

■ 26.0705, 0.4269,
0.4970

■ 34.2512, 0.2600,
0.2455

■ 25.9851, 0.4281,
0.4983

■ 35.3042, 0.2505,
0.2302

■ 36.4312, 0.2419,
0.2163

Harmonies

Analogous

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



28.7896, 0.3758, 0.3769



28.7896, 0.3525, 0.3906



28.7896, 0.3192, 0.3866

Triad

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



28.7896, 0.3525, 0.3906



28.7896, 0.2482, 0.2999



28.7896, 0.3385, 0.2972

Complementary

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



28.7896, 0.3525, 0.3906



17.1004, 0.2684, 0.2589

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.



28.7896, 0.3031, 0.2788



28.7896, 0.3525, 0.3906



28.7896, 0.2526, 0.2790

Square

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



28.7896, 0.3525, 0.3906



28.7896, 0.2599, 0.3312



28.7896, 0.2720, 0.2720



28.7896, 0.3680, 0.3233

Rectangle

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



28.7896, 0.3525, 0.3906



28.7896, 0.2962, 0.3733



28.7896, 0.2720, 0.2720



28.7896, 0.3268, 0.2900

Sweetspot

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



28.7909, 0.3525, 0.3906



52.8209, 0.3245, 0.3474



18.8025, 0.3651, 0.3257



11.6694, 0.3266, 0.3506



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



28.7909, 0.3525, 0.3906



50.2370, 0.3615, 0.4044



27.8434, 0.3320, 0.3979



6.6956, 0.3261, 0.3498



21.5655, 0.4281, 0.4983



0.2762, 0.4233, 0.5021

Inverse Universe

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



17.1004, 0.2684, 0.2589



26.0678, 0.2569, 0.2405



17.9395, 0.2888, 0.2593



5.6766, 0.2989, 0.3073



1.9754, 0.1512, 0.0644



0.0334, 0.1571, 0.0854

Previews

White Background



This preview shows how the Yxy color 28.7896, 0.3525, 0.3906 looks on a white background.

Color Contrast Check

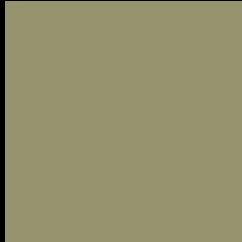
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7896, 0.3525, 0.3906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

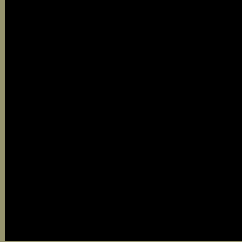
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

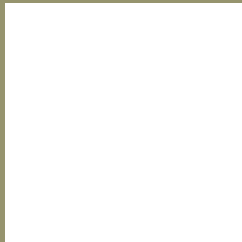
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.7896, 0.3525, 0.3906

Background



This preview shows how black text looks on a background with the Yxy color 28.7896, 0.3525, 0.3906.



This preview shows how white text looks on a background with the Yxy color 28.7896, 0.3525, 0.3906.

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

28.7896, 0.3525, 0.3906

Protanopia

28.8300, 0.3622, 0.3876

Deuteranopia

28.6967, 0.3791, 0.3711



Tritanopia

28.6145, 0.3156, 0.3121

Trichromacy



Original Color

28.7896, 0.3525, 0.3906

Protanomaly

28.8416, 0.3584, 0.3898

Deuteranomaly

28.6851, 0.3695, 0.3785

Tritanomaly

28.5250, 0.3294, 0.3401

Monochromacy



Original Color

28.7896, 0.3525, 0.3906

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.0277, 0.3267, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7896, 0.3525, 0.3906 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(150, 148, 110)` looks like.

```
.text, #text, p{  
    color:rgb(150, 148, 110)  
}
```

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(150, 148, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 148, 110) }
```

Border

The CSS property to change the border of an element to Yxy 28.7896, 0.3525, 0.3906 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(150, 148, 110) }
```

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

```
.border{ border-color:rgb(150, 148, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 148, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 148, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 148, 110);  
box-shadow:4px 4px 4px 4px rgb(150, 148,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7896, 0.3525, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 148, 110) }
```

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

```
.background{ background-color: rgb(150,  
148, 110) }
```

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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