

Converting Colors

$Y_{xy}(28.6146, 0.3520, 0.3856)$

Have a look what the booklet for
Yxy(28.6146, 0.3520, 0.3856)
contains.

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Color

Yxy(28.6166, 0.3520, 0.3856)

Conversions

Conversions Part 1

Format	Color
Hex	979370
RGB	151, 147, 112
RGB Percent	59%, 58%, 44%
CMY	0.4078, 0.4235, 0.5608
CMYK	0.00, 0.03, 0.26, 0.41
HSL	54°, 16%, 52%
HSV	54°, 26%, 59%
XYZ	26.1230, 28.6166, 19.4735
YIQ	144.2060, 13.6190, -10.0370

Conversions

Conversions Part 2

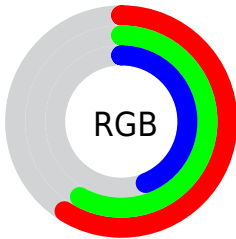
Format	Color
R_{YB}	116, 151, 112
Decimal	9933680
CIE _{Lab}	60.44, -4.40, 19.11
CIE _{LCh}	60, 19.614, 102.976
Yxy	28.6166, 0.3520, 0.3856
Android (android.graphics.Color)	4288123760 (0xFF979370)
YUV	144.2060, -15.8776, 5.9583
Hunter-Lab	53.4945, -6.4482, 15.8629

Details

The Yxy color $28.6166, 0.3520, 0.3856$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $18.1731, 0.2703, 0.2653$, and the grayscale version is $28.0397, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.5754, 0.3443, 0.3737$, and $11.6289, 0.3652, 0.4062$ is the 20% darker color. If you saturate the color by 10%, you get $27.8287, 0.3678, 0.4076$, and if you desaturate by 10%, it is $29.4701, 0.3363, 0.3633$.

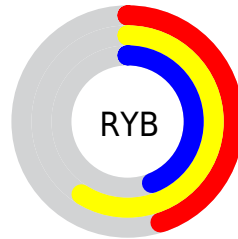
Distribution



Red (59%)

Green (58%)

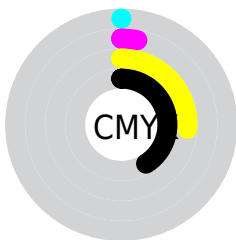
Blue (44%)



Red (45%)

Yellow (59%)

Blue (44%)

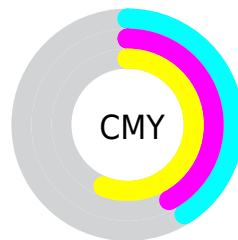


Cyan (0%)

Magenta (3%)

Yellow (26%)

Black (41%)



Cyan (41%)


Magenta (42%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6166, 0.3520, 0.3856 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 28.6166, 0.3520, 0.3856 by changing the saturation by 10% instead.


 28.6166, 0.3520,
0.3856


 28.6166, 0.3520,
0.3856


295.4016, 0.3311,
0.3548

 18.7910, 0.3576,
0.3942


 57.4674, 0.3441,
0.3738


 11.5193, 0.3651,
0.4057


 77.2613, 0.3412,
0.3695

 6.4173, 0.3752,
0.4220


 101.1468, 0.3388,
0.3660

 3.1004, 0.3897,
0.4465

 129.5083, 0.3368,
0.3631

 1.1844, 0.4578,
0.5422

162.7301, 0.3350,
0.3605

 0.0489, 0.0000,
1.0000

201.1967, 0.3335,

 0.0000, 0.0000,

0.3584

0.0000

245.2924, 0.3322,
0.3565

■ 28.6166, 0.3520,
0.3856

■ 28.6166, 0.3520,
0.3856

■ 27.8287, 0.3678,
0.4076

■ 29.4701, 0.3363,
0.3633

■ 27.0996, 0.3833,
0.4286

■ 30.3879, 0.3212,
0.3414

■ 26.4276, 0.3979,
0.4476

■ 31.3738, 0.3069,
0.3204

■ 25.8092, 0.4109,
0.4637

■ 32.4301, 0.2935,
0.3005

■ 25.2407, 0.4218,
0.4762

■ 33.5591, 0.2812,
0.2819

■ 24.7177, 0.4303,
0.4846

■ 34.7628, 0.2699,
0.2648

■ 24.2340, 0.4361,
0.4889

■ 36.0433, 0.2597,
0.2490

■ 24.0384, 0.4383,
0.4902

■ 37.4026, 0.2505,
0.2347

■ 38.8424, 0.2421,
0.2216

Harmonies

Analogous

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



28.6166, 0.3724, 0.3720



28.6166, 0.3520, 0.3856



28.6166, 0.3216, 0.3832

Triad

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



28.6166, 0.3520, 0.3856



28.6166, 0.2530, 0.3043



28.6166, 0.3340, 0.2977

Complementary

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



28.6166, 0.3520, 0.3856



18.1731, 0.2703, 0.2653

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.



28.6166, 0.3012, 0.2812



28.6166, 0.3520, 0.3856



28.6166, 0.2558, 0.2837

Square

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



28.6166, 0.3520, 0.3856



28.6166, 0.2652, 0.3338



28.6166, 0.2730, 0.2760



28.6166, 0.3621, 0.3217

Rectangle

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



28.6166, 0.3520, 0.3856



28.6166, 0.3001, 0.3718



28.6166, 0.2730, 0.2760



28.6166, 0.3231, 0.2911

Sweetspot

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



28.6179, 0.3520, 0.3856



54.0145, 0.3246, 0.3464



19.4416, 0.3595, 0.3214



12.2231, 0.3268, 0.3495



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.



28.6179, 0.3520, 0.3856



50.4072, 0.3612, 0.3984



28.5482, 0.3343, 0.3950



7.1142, 0.3263, 0.3488



20.4686, 0.4382, 0.4903



0.3332, 0.4288, 0.4977

Inverse Universe

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



18.1731, 0.2703, 0.2653



28.4645, 0.2594, 0.2485



18.3302, 0.2866, 0.2610



6.1237, 0.2988, 0.3084



2.2271, 0.1525, 0.0691



0.0569, 0.1637, 0.1092

Previews

White Background



This preview shows how the Yxy color 28.6166, 0.3520, 0.3856 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 28.6166, 0.3520, 0.3856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

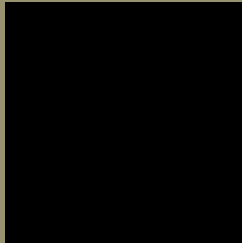
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

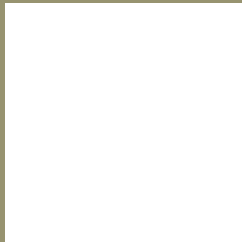
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.6166, 0.3520, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 28.6166, 0.3520, 0.3856.



This preview shows how white text looks on a background with the Yxy color 28.6166, 0.3520, 0.3856.

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

28.6166, 0.3520, 0.3856

Protanopia

28.4664, 0.3594, 0.3831

Deuteranopia

28.6063, 0.3768, 0.3697



Tritanopia

28.7138, 0.3167, 0.3121

Trichromacy



Original Color

28.6166, 0.3520, 0.3856

Protanomaly

28.5755, 0.3568, 0.3851

Deuteranomaly

28.7297, 0.3673, 0.3754

Tritanomaly

28.6515, 0.3295, 0.3385

Monochromacy



Original Color

28.6166, 0.3520, 0.3856

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.1198, 0.3278, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6166, 0.3520, 0.3856 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(151, 147, 112)` looks like.

```
.text, #text, p{  
    color:rgb(151, 147, 112)  
}
```

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(151, 147, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 147, 112) }
```

Border

The CSS property to change the border of an element to Yxy 28.6166, 0.3520, 0.3856 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(151, 147, 112) }
```

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

```
.border{ border-color:rgb(151, 147, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 147, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 147, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 147, 112);  
box-shadow:4px 4px 4px 4px rgb(151, 147,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6166, 0.3520, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 147, 112) }
```

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

```
.background{ background-color: rgb(151,  
147, 112) }
```

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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