

Converting Colors

$Y_{xy}(36.8276, 0.3112, 0.3512)$

Have a look what the booklet for
Yxy(36.8276, 0.3112, 0.3512)
contains.

Yxy(36.9806, 0.3108, 0.3514)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.9806, 0.3108, 0.3514)

Conversions

Conversions Part 1

Format	Color
Hex	98A899
RGB	152, 168, 153
RGB Percent	60%, 66%, 60%
CMY	0.4037, 0.3412, 0.4000
CMYK	0.09, 0.00, 0.09, 0.34
HSL	124°, 8%, 63%
HSV	124°, 9%, 66%
XYZ	32.7079, 36.9806, 35.5494
YIQ	161.5060, -4.7210, -8.0570

Conversions

Conversions Part 2

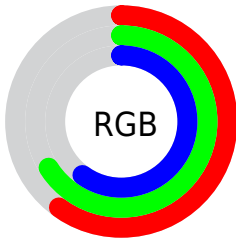
Format	Color
RYB	152, 167, 168
Decimal	10004633
CIELab	67.26, -8.51, 5.84
CIElCh	67, 10.319, 145.538
Yxy	36.9806, 0.3108, 0.3514
Android (android.graphics.Color)	4288194713 (0xFF98A899)
YUV	161.5060, -4.1935, -8.3368
Hunter-Lab	60.8117, -10.4131, 7.9084

Details

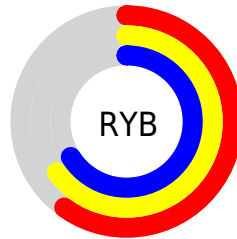
The Yxy color **36.9806, 0.3108, 0.3514** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.5885, 0.3147, 0.3076**, and the grayscale version is **35.9142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4022, 0.3112, 0.3471**, and **16.2168, 0.3100, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **34.9856, 0.3087, 0.3781**, and if you desaturate by 10%, it is **39.2775, 0.3128, 0.3279**.

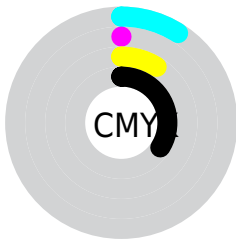
Distribution



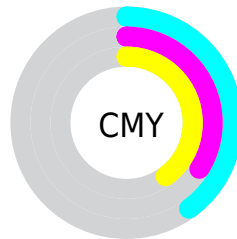
- Red (60%)
- Green (66%)
- Blue (60%)



- Red (60%)
- Yellow (65%)
- Blue (66%)



- Cyan (9%)
- Magenta (0%)
- Yellow (9%)
- Black (34%)





- Cyan (40%)
- Magenta (34%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9806, 0.3108, 0.3514 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 36.9806, 0.3108, 0.3514 by changing the saturation by 10% instead.


 36.9806, 0.3108,
0.3514


 36.9806, 0.3108,
0.3514


333.2265, 0.3119,
0.3396

 25.1925, 0.3105,
0.3546


 70.5429, 0.3112,
0.3470

 16.2205, 0.3101,
0.3588


 93.0860, 0.3114,
0.3453

 9.6803, 0.3094,
0.3646


119.9827, 0.3115,
0.3440

 5.1875, 0.3084,
0.3733

151.6176, 0.3116,
0.3428

 2.3577, 0.3066,
0.3876

188.3750, 0.3117,
0.3419

 0.8040, 0.3045,
0.4399

230.6394, 0.3118,

 0.0000, 0.0000,

0.3410

0.0000

278.7951, 0.3118,
0.3403

■ 36.9806, 0.3108,
0.3514

■ 36.9806, 0.3108,
0.3514

■ 34.9856, 0.3087,
0.3781

■ 39.2775, 0.3128,
0.3279

■ 33.2755, 0.3065,
0.4078

■ 41.8832, 0.3147,
0.3074

■ 31.8388, 0.3043,
0.4399

■ 44.8102, 0.3164,
0.2896

■ 30.6612, 0.3023,
0.4736

■ 48.0689, 0.3179,
0.2743

■ 29.7273, 0.3006,
0.5070

■ 51.6693, 0.3193,
0.2612

■ 29.0200, 0.2993,
0.5379

■ 55.6210, 0.3206,
0.2499

■ 28.5199, 0.2987,
0.5641

■ 56.4821, 0.3167,
0.2441

■ 28.2046, 0.2987,
0.5835

■ 28.0313, 0.2989,
0.5954

Harmonies

Analogous

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



36.9806, 0.3263, 0.3564



36.9806, 0.3108, 0.3514



36.9806, 0.2961, 0.3399

Triad

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



36.9806, 0.3108, 0.3514



36.9806, 0.2875, 0.3045



36.9806, 0.3402, 0.3314

Complementary

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



36.9806, 0.3108, 0.3514



33.5885, 0.3147, 0.3076

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.



36.9806, 0.3293, 0.3183



36.9806, 0.3108, 0.3514



36.9806, 0.2988, 0.3029

Square

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



36.9806, 0.3108, 0.3514



36.9806, 0.2829, 0.3126



36.9806, 0.3141, 0.3080



36.9806, 0.3435, 0.3443

Rectangle

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



36.9806, 0.3108, 0.3514



36.9806, 0.2887, 0.3304



36.9806, 0.3141, 0.3080



36.9806, 0.3373, 0.3269

Sweetspot

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



36.9822, 0.3108, 0.3514



69.7339, 0.3121, 0.3359



38.5074, 0.3258, 0.3519



15.1265, 0.3120, 0.3377



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



36.9822, 0.3108, 0.3514



66.4588, 0.3104, 0.3557



37.2492, 0.3043, 0.3396



8.4147, 0.3108, 0.3509



21.1677, 0.2986, 0.5951



0.5172, 0.2926, 0.5735

Inverse Universe

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



33.5885, 0.3147, 0.3076



59.2712, 0.3150, 0.3036



33.3078, 0.3220, 0.3187



7.6588, 0.3146, 0.3080



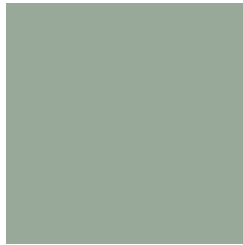
8.1541, 0.3361, 0.1625



0.2006, 0.3306, 0.1595

Previews

White Background



This preview shows how the Yxy color 36.9806, 0.3108, 0.3514 looks on a white background.

Color Contrast Check

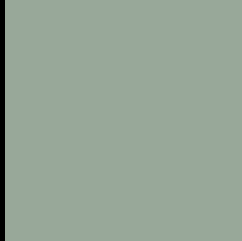
Large Text (above 18pt) WCAG AA × Fail

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 36.9806, 0.3108, 0.3514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

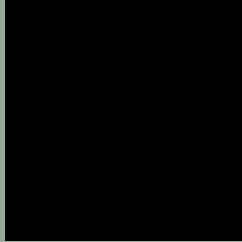
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

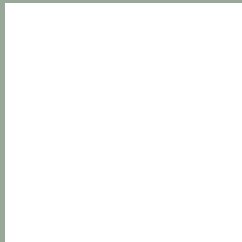
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9806, 0.3108, 0.3514

Background



This preview shows how black text looks on a background with the Yxy color 36.9806, 0.3108, 0.3514.



This preview shows how white text looks on a background with the Yxy color 36.9806, 0.3108, 0.3514.

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

36.9806, 0.3108, 0.3514

Protanopia

36.9424, 0.3311, 0.3477

Deuteranopia

36.7654, 0.3393, 0.3332



Tritanopia

36.7932, 0.2945, 0.3103

Trichromacy



Original Color

36.9806, 0.3108, 0.3514

Protanomaly

36.9312, 0.3231, 0.3495

Deuteranomaly

36.8317, 0.3286, 0.3404

Tritanomaly

36.7060, 0.3010, 0.3246

Monochromacy



Original Color

36.9806, 0.3108, 0.3514

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.3232, 0.3114, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9806, 0.3108, 0.3514 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(152, 168, 153)` looks like.

```
.text, #text, p{  
    color:rgb(152, 168, 153)  
}
```

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(152, 168, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 168, 153) }
```

Border

The CSS property to change the border of an element to Yxy 36.9806, 0.3108, 0.3514 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(152, 168, 153) }
```

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

```
.border{ border-color:rgb(152, 168, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 168, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 168, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 168, 153);  
box-shadow:4px 4px 4px 4px rgb(152, 168,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9806, 0.3108, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 168, 153) }
```

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

```
.background{ background-color: rgb(152,  
168, 153) }
```

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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