

Converting Colors

$Y_{xy}(35.5181, 0.3258, 0.3756)$

Have a look what the booklet for
Yxy(35.5181, 0.3258, 0.3756)
contains.

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Color

Yxy(35.6010, 0.3255, 0.3766)

Conversions

Conversions Part 1

Format	Color
Hex	97A687
RGB	151, 166, 135
RGB Percent	59%, 65%, 53%
CMY	0.4078, 0.3490, 0.4707
CMYK	0.09, 0.00, 0.19, 0.35
HSL	89°, 15%, 59%
HSV	89°, 19%, 65%
XYZ	30.7704, 35.6010, 28.1613
YIQ	157.9810, 1.0110, -12.8210

Conversions

Conversions Part 2

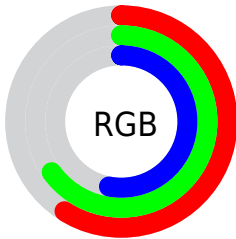
Format	Color
RYB	135, 166, 150
Decimal	9938567
CIELab	66.21, -11.05, 14.32
CIELCh	66, 18.088, 127.649
Yxy	35.6010, 0.3255, 0.3766
Android (android.graphics.Color)	4288128647 (0xFF97A687)
YUV	157.9810, -11.3296, -6.1223
Hunter-Lab	59.6666, -12.3631, 13.7831

Details

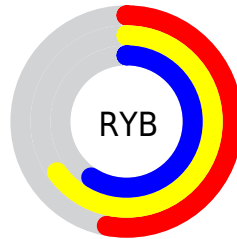
The Yxy color **35.6010, 0.3255, 0.3766** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.5559, 0.2979, 0.2813**, and the grayscale version is **34.2348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3229, 0.3231, 0.3673**, and **15.3998, 0.3294, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **34.4289, 0.3320, 0.4046**, and if you desaturate by 10%, it is **36.9014, 0.3187, 0.3503**.

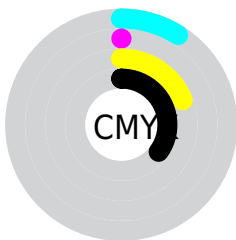
Distribution



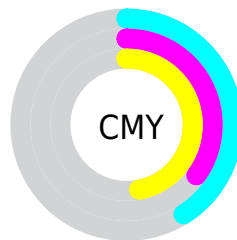
- Red (59%)
- Green (65%)
- Blue (53%)



- Red (53%)
- Yellow (65%)
- Blue (59%)



- Cyan (9%)
- Magenta (0%)
- Yellow (19%)
- Black (35%)





- Cyan (41%)
- Magenta (35%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6010, 0.3255, 0.3766 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 35.6010, 0.3255, 0.3766 by changing the saturation by 10% instead.


 35.6010, 0.3255,
0.3766


 35.6010, 0.3255,
0.3766


327.2132, 0.3191,
0.3512


 24.1262, 0.3271,
0.3835


 68.4158, 0.3232,
0.3670

 15.4273, 0.3290,
0.3928


 90.5245, 0.3223,
0.3635

 9.1198, 0.3316,
0.4057


 116.9467, 0.3216,
0.3606

 4.8194, 0.3349,
0.4252

148.0668, 0.3210,
0.3581

 2.1417, 0.3390,
0.4574

184.2691, 0.3204,
0.3560

 0.6879, 0.3583,
0.6417

225.9380, 0.3199,

 0.0000, 0.0000,

0.3542

0.0000

273.4579, 0.3195,
0.3526

■ 35.6010, 0.3255,
0.3766

■ 35.6010, 0.3255,
0.3766

■ 34.4289, 0.3320,
0.4046

■ 36.9014, 0.3187,
0.3503

■ 33.3760, 0.3379,
0.4336

■ 38.3297, 0.3118,
0.3259

■ 32.4392, 0.3428,
0.4628


■ 39.8913, 0.3051,
0.3038


■ 31.6134, 0.3462,
0.4909

■ 41.5899, 0.2987,
0.2837

■ 30.8932, 0.3477,
0.5166

■ 43.4292, 0.2926,
0.2658

 30.2723, 0.3472,
0.5384


 45.4125, 0.2868,
0.2497


 29.7438, 0.3445,
0.5552

 47.5434, 0.2815,
0.2354

 29.2954, 0.3400,
0.5672

 48.9742, 0.2851,
0.2336

 29.2407, 0.3394,
0.5687

 50.2210, 0.2914,
0.2353

Harmonies

Analogous

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



35.6010, 0.3505, 0.3764



35.6010, 0.3255, 0.3766



35.6010, 0.2979, 0.3623

Triad

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



35.6010, 0.3255, 0.3766



35.6010, 0.2622, 0.2926



35.6010, 0.3514, 0.3188

Complementary

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



35.6010, 0.3255, 0.3766



26.5559, 0.2979, 0.2813

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.



35.6010, 0.3262, 0.2988



35.6010, 0.3255, 0.3766



35.6010, 0.2751, 0.2836

Square

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



35.6010, 0.3255, 0.3766



35.6010, 0.2621, 0.3121



35.6010, 0.2981, 0.2861



35.6010, 0.3661, 0.3420

Rectangle

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



35.6010, 0.3255, 0.3766



35.6010, 0.2817, 0.3467



35.6010, 0.2981, 0.2861



35.6010, 0.3438, 0.3116

Sweetspot

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



35.6025, 0.3255, 0.3766



67.6139, 0.3169, 0.3438



31.6601, 0.3443, 0.3516



15.0957, 0.3173, 0.3453



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.



35.6025, 0.3255, 0.3766



63.7927, 0.3280, 0.3868



34.2148, 0.3109, 0.3788



8.5911, 0.3191, 0.3518



22.7009, 0.3400, 0.5682



0.5826, 0.3659, 0.5477

Inverse Universe

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



26.5559, 0.2979, 0.2813



44.6192, 0.2944, 0.2711



28.1258, 0.3143, 0.2837



7.4718, 0.3059, 0.3062



3.4940, 0.2009, 0.0880



0.1156, 0.2393, 0.1092

Previews

White Background



This preview shows how the Yxy color 35.6010, 0.3255, 0.3766 looks on a white background.

Color Contrast Check

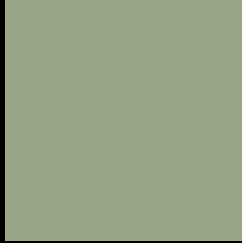
Large Text (above 18pt) WCAG AA × Fail

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 35.6010, 0.3255, 0.3766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

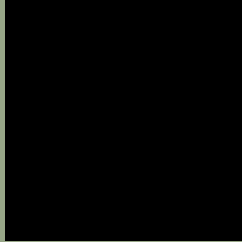
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

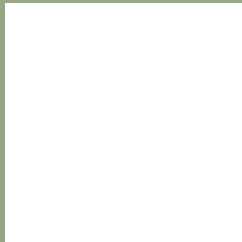
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.6010, 0.3255, 0.3766

Background



This preview shows how black text looks on a background with the Yxy color 35.6010, 0.3255, 0.3766.



This preview shows how white text looks on a background with the Yxy color 35.6010, 0.3255, 0.3766.

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

35.6010, 0.3255, 0.3766

Protanopia

35.3536, 0.3486, 0.3699

Deuteranopia

35.5631, 0.3609, 0.3541



Tritanopia

35.6750, 0.2987, 0.3116

Trichromacy



Original Color

35.6010, 0.3255, 0.3766

Protanomaly

35.3206, 0.3400, 0.3722

Deuteranomaly

35.4581, 0.3482, 0.3623

Tritanomaly

35.6662, 0.3087, 0.3349

Monochromacy



Original Color

35.6010, 0.3255, 0.3766

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.6603, 0.3167, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6010, 0.3255, 0.3766 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, 166, 135)` looks like.

```
.text, #text, p{  
    color:rgb(151, 166, 135)  
}
```

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, 166, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 166, 135) }
```

Border

The CSS property to change the border of an element to Yxy 35.6010, 0.3255, 0.3766 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, 166, 135) }
```

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

```
.border{ border-color:rgb(151, 166, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 166, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 166, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 166, 135);  
box-shadow:4px 4px 4px 4px rgb(151, 166,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6010, 0.3255, 0.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 166, 135) }
```

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

```
.background{ background-color: rgb(151,  
166, 135) }
```

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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