

Converting Colors

$Y_{xy}(35.2533, 0.3295, 0.3854)$

Have a look what the booklet for
Yxy(35.2533, 0.3295, 0.3854)
contains.

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Color

Yxy(35.3414, 0.3297, 0.3862)

Conversions

Conversions Part 1

Format	Color
Hex	96A681
RGB	150, 166, 129
RGB Percent	59%, 65%, 51%
CMY	0.4119, 0.3490, 0.4941
CMYK	0.10, 0.00, 0.22, 0.35
HSL	86°, 17%, 58%
HSV	86°, 22%, 65%
XYZ	30.1711, 35.3414, 25.9982
YIQ	156.9980, 2.3410, -14.8990

Conversions

Conversions Part 2

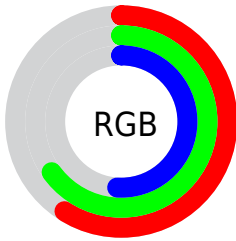
Format	Color
RYB	129, 166, 145
Decimal	9873025
CIELab	66.01, -12.43, 17.33
CIELCh	66, 21.323, 125.654
Yxy	35.3414, 0.3297, 0.3862
Android (android.graphics.Color)	4288063105 (0xFF96A681)
YUV	156.9980, -13.8030, -6.1372
Hunter-Lab	59.4486, -13.4437, 15.6853

Details

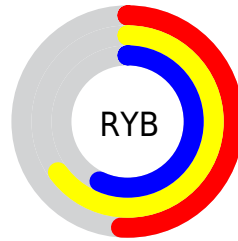
The Yxy color **35.3414, 0.3297, 0.3862** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.4768, 0.2925, 0.2710**, and the grayscale version is **33.7764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9277, 0.3264, 0.3745**, and **15.2665, 0.3341, 0.4044** is the 20% darker color. If you saturate the color by 10%, you get **34.2749, 0.3369, 0.4143**, and if you desaturate by 10%, it is **36.5246, 0.3221, 0.3595**.

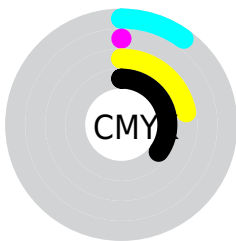
Distribution



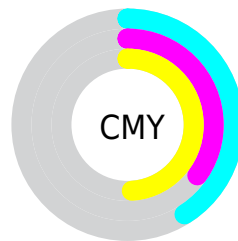
- Red (59%)
- Green (65%)
- Blue (51%)



- Red (51%)
- Yellow (65%)
- Blue (57%)



- Cyan (10%)
- Magenta (0%)
- Yellow (22%)
- Black (35%)





- Cyan (41%)
- Magenta (35%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3414, 0.3297, 0.3862 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 35.3414, 0.3297, 0.3862 by changing the saturation by 10% instead.


 35.3414, 0.3297,
0.3862


 35.3414, 0.3297,
0.3862


326.0727, 0.3212,
0.3556

 23.9260, 0.3317,
0.3946


 68.0143, 0.3267,
0.3746

 15.2787, 0.3343,
0.4057


 90.0406, 0.3255,
0.3703

 9.0152, 0.3376,
0.4214


 116.3726, 0.3245,
0.3668

 4.7511, 0.3417,
0.4450

147.3948, 0.3237,
0.3639

 2.1020, 0.3479,
0.4859

183.4915, 0.3230,
0.3613

 0.6657, 0.3310,
0.6690

225.0471, 0.3223,

 0.0000, 0.0000,

0.3592

0.0000

272.4460, 0.3217,
0.3573

■ 35.3414, 0.3297,
0.3862

■ 35.3414, 0.3297,
0.3862

■ 34.2749, 0.3369,
0.4143

■ 36.5246, 0.3221,
0.3595

■ 33.3164, 0.3433,
0.4429

■ 37.8239, 0.3145,
0.3345

■ 32.4628, 0.3485,
0.4711


■ 39.2446, 0.3069,
0.3115


■ 31.7093, 0.3520,
0.4976


■ 40.7902, 0.2997,
0.2906

■ 31.0504, 0.3536,
0.5211


■ 42.4641, 0.2928,
0.2717


 30.4802, 0.3528,
0.5404


 44.2696, 0.2863,
0.2547

 29.9915, 0.3499,
0.5546

 46.2098, 0.2803,
0.2396

 29.6591, 0.3466,
0.5630

 47.8415, 0.2792,
0.2320

 48.9056, 0.2847,
0.2335

Harmonies

Analogous

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



35.3414, 0.3588, 0.3843



35.3414, 0.3297, 0.3862



35.3414, 0.2971, 0.3703

Triad

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



35.3414, 0.3297, 0.3862



35.3414, 0.2530, 0.2871



35.3414, 0.3568, 0.3151

Complementary

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



35.3414, 0.3297, 0.3862



24.4768, 0.2925, 0.2710

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.



35.3414, 0.3262, 0.2923



35.3414, 0.3297, 0.3862



35.3414, 0.2670, 0.2760

Square

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



35.3414, 0.3297, 0.3862



35.3414, 0.2539, 0.3106



35.3414, 0.2933, 0.2782



35.3414, 0.3753, 0.3421

Rectangle

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



35.3414, 0.3297, 0.3862



35.3414, 0.2777, 0.3520



35.3414, 0.2933, 0.2782



35.3414, 0.3475, 0.3068

Sweetspot

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



35.3429, 0.3297, 0.3862



67.4681, 0.3182, 0.3463



29.9554, 0.3519, 0.3534



15.0685, 0.3186, 0.3477



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.



35.3429, 0.3297, 0.3862



63.0987, 0.3335, 0.4007



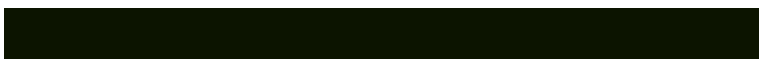
33.7247, 0.3121, 0.3894



8.6095, 0.3198, 0.3518



23.0230, 0.3472, 0.5625



0.5895, 0.3712, 0.5434

Inverse Universe

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



24.4768, 0.2925, 0.2710



39.6692, 0.2868, 0.2561



26.2973, 0.3125, 0.2744



7.4536, 0.3051, 0.3061



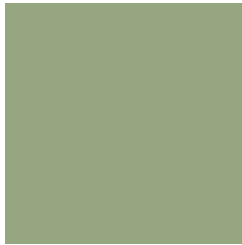
3.2291, 0.1918, 0.0830



0.1090, 0.2316, 0.1050

Previews

White Background



This preview shows how the Yxy color 35.3414, 0.3297, 0.3862 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 35.3414, 0.3297, 0.3862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

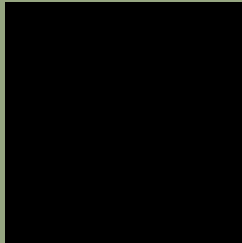
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3414, 0.3297, 0.3862

Background



This preview shows how black text looks on a background with the Yxy color 35.3414, 0.3297, 0.3862.



This preview shows how white text looks on a background with the Yxy color 35.3414, 0.3297, 0.3862.

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

35.3414, 0.3297, 0.3862

Protanopia

35.1940, 0.3543, 0.3788

Deuteranopia

35.1890, 0.3684, 0.3610



Tritanopia

35.2267, 0.2977, 0.3101

Trichromacy



Original Color

35.3414, 0.3297, 0.3862

Protanomaly

35.1595, 0.3455, 0.3813

Deuteranomaly

34.9497, 0.3542, 0.3697

Tritanomaly

35.1450, 0.3095, 0.3365

Monochromacy



Original Color

35.3414, 0.3297, 0.3862

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.1182, 0.3186, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3414, 0.3297, 0.3862 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, 166, 129)` looks like.

```
.text, #text, p{  
    color:rgb(150, 166, 129)  
}
```

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, 166, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 166, 129) }
```

Border

The CSS property to change the border of an element to Yxy 35.3414, 0.3297, 0.3862 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, 166, 129) }
```

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

```
.border{ border-color:rgb(150, 166, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 166, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 166, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 166, 129);  
box-shadow:4px 4px 4px 4px rgb(150, 166,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3414, 0.3297, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 166, 129) }
```

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

```
.background{ background-color: rgb(150,  
166, 129) }
```

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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