

Converting Colors

$Yxy(38.1178, 0.3300, 0.3987)$

Have a look what the booklet for
Yxy(38.1178, 0.3300, 0.3987)
contains.

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Color

Yxy(37.9035, 0.3300, 0.3990)

Conversions

Conversions Part 1

Format	Color
Hex	96AD7F
RGB	150, 173, 127
RGB Percent	59%, 68%, 50%
CMY	0.4119, 0.3215, 0.5019
CMYK	0.13, 0.00, 0.27, 0.32
HSL	90°, 22%, 59%
HSV	90°, 27%, 68%
XYZ	31.3488, 37.9035, 25.7440
YIQ	160.8790, 1.0580, -19.1820

Conversions

Conversions Part 2

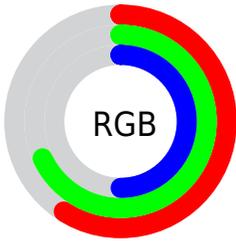
Format	Color
RYB	127, 173, 150
Decimal	9874815
CIELab	67.95, -16.39, 21.07
CIELCh	68, 26.694, 127.882
Yxy	37.9035, 0.3300, 0.3990
Android (android.graphics.Color)	4288064895 (0xFF96AD7F)
YUV	160.8790, -16.7023, -9.5409
Hunter-Lab	61.5658, -16.8496, 18.3037

Details

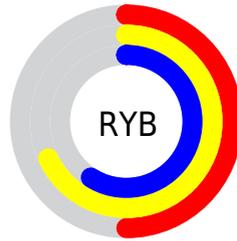
The Yxy color **37.9035, 0.3300, 0.3990** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.6857, 0.2910, 0.2592**, and the grayscale version is **35.6591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7612, 0.3275, 0.3843**, and **16.8775, 0.3340, 0.4220** is the 20% darker color. If you saturate the color by 10%, you get **36.7005, 0.3358, 0.4282**, and if you desaturate by 10%, it is **39.2480, 0.3237, 0.3711**.

Distribution



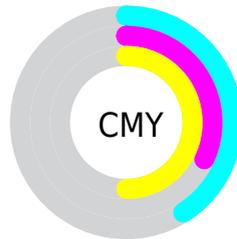
- Red (59%)
- Green (68%)
- Blue (50%)



- Red (50%)
- Yellow (68%)
- Blue (59%)



- Cyan (13%)
- Magenta (0%)
- Yellow (27%)
- Black (32%)



- Cyan (41%)
- Magenta (32%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9035, 0.3300, 0.3990 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 37.9035, 0.3300, 0.3990 by changing the saturation by 10% instead.

 37.9035, 0.3300,
0.3990

 37.9035, 0.3300,
0.3990

337.2058, 0.3217,
0.3617

 25.9078, 0.3319,
0.4091

 71.9602, 0.3271,
0.3849

 16.7547, 0.3341,
0.4225

 94.7900, 0.3260,
0.3798

 10.0597, 0.3367,
0.4411

 121.9999, 0.3250,
0.3755

 5.4386, 0.3395,
0.4686

153.9744, 0.3242,
0.3719

 2.5068, 0.3429,
0.5152

191.0979, 0.3235,
0.3688

 0.8801, 0.3315,
0.6685

233.7547, 0.3228,

 0.0000, 0.0000,

0.3661

0.0000

282.3292, 0.3223,
0.3638

■ 37.9035, 0.3300,
0.3990

■ 37.9035, 0.3300,
0.3990

■ 36.7005, 0.3358,
0.4282

■ 39.2480, 0.3237,
0.3711

■ 35.6289, 0.3406,
0.4577

■ 40.7340, 0.3171,
0.3450

■ 34.6845, 0.3441,
0.4865

■ 42.3679, 0.3105,
0.3211

■ 33.8613, 0.3458,
0.5131

■ 44.1540, 0.3040,
0.2993

■ 33.1525, 0.3454,
0.5361

■ 46.0967, 0.2979,
0.2797

■ 32.5502, 0.3429,
0.5542

■ 48.1999, 0.2921,
0.2622

■ 32.0444, 0.3385,
0.5670

■ 50.4675, 0.2866,
0.2466

■ 31.8876, 0.3368,
0.5708

■ 52.2143, 0.2885,
0.2418

■ 53.5954, 0.2952,
0.2435

Harmonies

Analogous

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



37.9035, 0.3664, 0.3974



37.9035, 0.3300, 0.3990



37.9035, 0.2905, 0.3779

Triad

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



37.9035, 0.3300, 0.3990



37.9035, 0.2412, 0.2762



37.9035, 0.3690, 0.3142

Complementary

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



37.9035, 0.3300, 0.3990



24.6857, 0.2910, 0.2592

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.



37.9035, 0.3320, 0.2865



37.9035, 0.3300, 0.3990



37.9035, 0.2591, 0.2645

Square

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



37.9035, 0.3300, 0.3990



37.9035, 0.2409, 0.3034



37.9035, 0.2916, 0.2686



37.9035, 0.3903, 0.3466

Rectangle

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



37.9035, 0.3300, 0.3990



37.9035, 0.2677, 0.3543



37.9035, 0.2916, 0.2686



37.9035, 0.3579, 0.3042

Sweetspot

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



37.9052, 0.3300, 0.3990



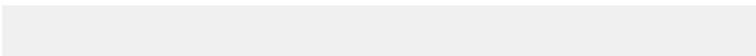
72.5140, 0.3181, 0.3489



32.2331, 0.3600, 0.3629



15.6717, 0.3191, 0.3527



86.8899, 0.3127, 0.3290



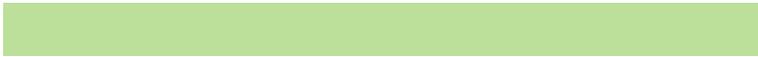
16.2647, 0.3127, 0.3290

Same Dimension

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



37.9052, 0.3300, 0.3990



66.5609, 0.3335, 0.4163



35.9360, 0.3092, 0.4036



9.1284, 0.3189, 0.3519



23.4572, 0.3376, 0.5702



0.6851, 0.3616, 0.5511

Inverse Universe

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



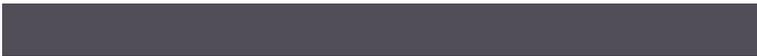
24.6857, 0.2910, 0.2592



38.8137, 0.2849, 0.2420



27.0832, 0.3158, 0.2642



7.9468, 0.3061, 0.3061



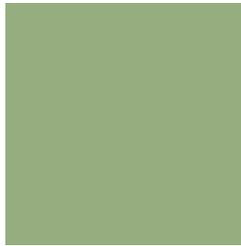
3.7259, 0.2040, 0.0898



0.1362, 0.2383, 0.1087

Previews

White Background



This preview shows how the Yxy color 37.9035, 0.3300, 0.3990 looks on a white background.

Color Contrast Check

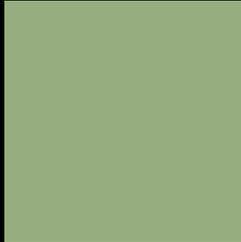
Large Text (above 18pt) WCAG AA × Fail

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 37.9035, 0.3300, 0.3990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

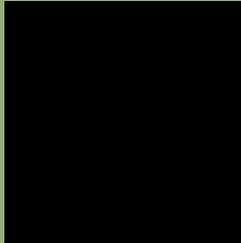
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

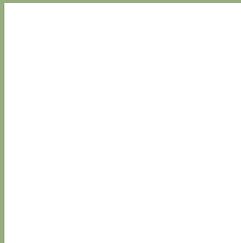
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.9035, 0.3300, 0.3990

Background



This preview shows how black text looks on a background with the Yxy color 37.9035, 0.3300, 0.3990.



This preview shows how white text looks on a background with the Yxy color 37.9035, 0.3300, 0.3990.

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

37.9035, 0.3300, 0.3990

Protanopia

37.6874, 0.3625, 0.3885

Deuteranopia

37.7454, 0.3747, 0.3681



Tritanopia

37.7962, 0.2947, 0.3105

Trichromacy



Original Color

37.9035, 0.3300, 0.3990

Protanomaly

37.6760, 0.3504, 0.3932

Deuteranomaly

37.4830, 0.3573, 0.3786

Tritanomaly

37.8826, 0.3076, 0.3422

Monochromacy



Original Color

37.9035, 0.3300, 0.3990

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.2483, 0.3191, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9035, 0.3300, 0.3990 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, 173, 127)` looks like.

```
.text, #text, p{  
    color:rgb(150, 173, 127)  
}
```

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, 173, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 173, 127) }
```

Border

The CSS property to change the border of an element to Yxy 37.9035, 0.3300, 0.3990 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, 173, 127) }
```

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

```
.border{ border-color:rgb(150, 173, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 173, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 173, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 173, 127);  
box-shadow:4px 4px 4px 4px rgb(150, 173,  
127) }
```

Background

The CSS property to change the background color of an element to Yxy 37.9035, 0.3300, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 173, 127) }
```

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

```
.background{ background-color: rgb(150,  
173, 127) }
```

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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