

Converting Colors

$Yxy(36.9998, 0.3341, 0.3999)$

Have a look what the booklet for
Yxy(36.9998, 0.3341, 0.3999)
contains.

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Color

Yxy(37.1604, 0.3339, 0.4007)

Conversions

Conversions Part 1

Format	Color
Hex	97AB7C
RGB	151, 171, 124
RGB Percent	59%, 67%, 49%
CMY	0.4078, 0.3294, 0.5137
CMYK	0.12, 0.00, 0.27, 0.33
HSL	86°, 22%, 58%
HSV	86°, 27%, 67%
XYZ	30.9655, 37.1604, 24.6129
YIQ	159.6620, 3.1670, -18.8570

Conversions

Conversions Part 2

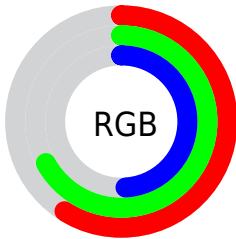
Format	Color
RYB	124, 171, 144
Decimal	9939836
CIELab	67.40, -15.42, 21.96
CIELCh	67, 26.832, 125.090
Yxy	37.1604, 0.3339, 0.4007
Android (android.graphics.Color)	4288129916 (0xFF97AB7C)
YUV	159.6620, -17.5814, -7.5966
Hunter-Lab	60.9593, -16.0064, 18.7327

Details

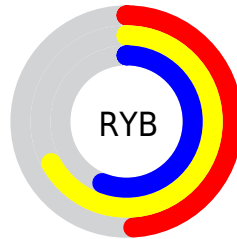
The Yxy color **37.1604, 0.3339, 0.4007** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.2881, 0.2864, 0.2559**, and the grayscale version is **35.0733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6888, 0.3305, 0.3856**, and **16.4110, 0.3394, 0.4244** is the 20% darker color. If you saturate the color by 10%, you get **36.0914, 0.3409, 0.4291**, and if you desaturate by 10%, it is **38.3507, 0.3263, 0.3732**.

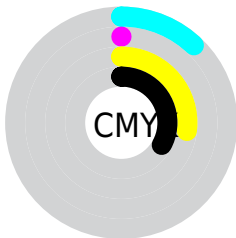
Distribution



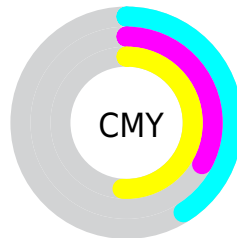
- Red (59%)
- Green (67%)
- Blue (49%)



- Red (49%)
- Yellow (67%)
- Blue (56%)



- Cyan (12%)
- Magenta (0%)
- Yellow (27%)
- Black (33%)





- Cyan (41%)
- Magenta (33%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1604, 0.3339, 0.4007 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 37.1604, 0.3339, 0.4007 by changing the saturation by 10% instead.


 37.1604, 0.3339,
0.4007


 37.1604, 0.3339,
0.4007


334.0044, 0.3236,
0.3625


 25.3317, 0.3363,
0.4110


 70.8194, 0.3303,
0.3862

 16.3244, 0.3392,
0.4248


 93.4185, 0.3289,
0.3810

 9.7540, 0.3426,
0.4439


 120.3766, 0.3277,
0.3766

 5.2361, 0.3466,
0.4721

152.0779, 0.3266,
0.3729

 2.3865, 0.3538,
0.5230

188.9070, 0.3257,
0.3697

 0.8189, 0.3292,
0.6708

231.2482, 0.3249,

 0.0000, 0.0000,

0.3670

0.0000

279.4859, 0.3242,
0.3646

■ 37.1604, 0.3339,
0.4007

■ 37.1604, 0.3339,
0.4007

■ 36.0914, 0.3409,
0.4291

■ 38.3507, 0.3263,
0.3732

■ 35.1341, 0.3469,
0.4576

■ 39.6616, 0.3185,
0.3472

■ 34.2851, 0.3514,
0.4850

■ 41.0990, 0.3108,
0.3231

■ 33.5390, 0.3540,
0.5100

■ 42.6667, 0.3032,
0.3011

■ 32.8897, 0.3545,
0.5313

■ 44.3684, 0.2960,
0.2811

■ 32.3301, 0.3526,
0.5479

■ 46.2076, 0.2892,
0.2631

■ 31.8499, 0.3487,
0.5595

■ 48.1877, 0.2828,
0.2470

■ 31.7369, 0.3477,
0.5622

■ 49.9320, 0.2807,
0.2377

■ 51.0189, 0.2863,
0.2392

Harmonies

Analogous

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



37.1604, 0.3698, 0.3969



37.1604, 0.3339, 0.4007



37.1604, 0.2938, 0.3814

Triad

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



37.1604, 0.3339, 0.4007



37.1604, 0.2396, 0.2775



37.1604, 0.3667, 0.3111

Complementary

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



37.1604, 0.3339, 0.4007



23.2881, 0.2864, 0.2559

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.



37.1604, 0.3284, 0.2838



37.1604, 0.3339, 0.4007



37.1604, 0.2561, 0.2642

Square

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



37.1604, 0.3339, 0.4007



37.1604, 0.2410, 0.3063



37.1604, 0.2878, 0.2670



37.1604, 0.3902, 0.3436

Rectangle

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



37.1604, 0.3339, 0.4007



37.1604, 0.2701, 0.3583



37.1604, 0.2878, 0.2670



37.1604, 0.3550, 0.3012

Sweetspot

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



37.1620, 0.3339, 0.4007



70.8687, 0.3191, 0.3489



29.9363, 0.3633, 0.3584



15.7240, 0.3202, 0.3526



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.



37.1620, 0.3339, 0.4007



65.3594, 0.3383, 0.4180



35.1653, 0.3125, 0.4056



9.1579, 0.3200, 0.3518



23.9562, 0.3483, 0.5616



0.6978, 0.3700, 0.5445

Inverse Universe

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



23.2881, 0.2864, 0.2559



36.3244, 0.2791, 0.2379



25.5834, 0.3115, 0.2612



7.9175, 0.3050, 0.3060



3.3067, 0.1902, 0.0822



0.1247, 0.2268, 0.1023

Previews

White Background



This preview shows how the Yxy color 37.1604, 0.3339, 0.4007 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 37.1604, 0.3339, 0.4007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

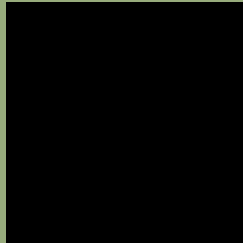
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

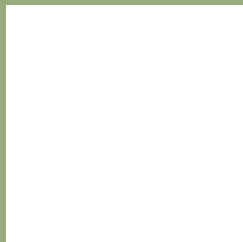
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.1604, 0.3339, 0.4007

Background



This preview shows how black text looks on a background with the Yxy color 37.1604, 0.3339, 0.4007.



This preview shows how white text looks on a background with the Yxy color 37.1604, 0.3339, 0.4007.

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

37.1604, 0.3339, 0.4007

Protanopia

37.1615, 0.3637, 0.3902

Deuteranopia

36.8527, 0.3774, 0.3697



Tritanopia

37.0962, 0.2972, 0.3105

Trichromacy



Original Color

37.1604, 0.3339, 0.4007

Protanomaly

37.2581, 0.3525, 0.3948

Deuteranomaly

36.6941, 0.3608, 0.3803

Tritanomaly

37.1740, 0.3103, 0.3422

Monochromacy



Original Color

37.1604, 0.3339, 0.4007

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.8256, 0.3210, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1604, 0.3339, 0.4007 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, 171, 124)` looks like.

```
.text, #text, p{  
    color:rgb(151, 171, 124)  
}
```

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, 171, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 171, 124) }
```

Border

The CSS property to change the border of an element to Yxy 37.1604, 0.3339, 0.4007 is called "border". The border property can be set on classes, ids or directly on the HTML element.

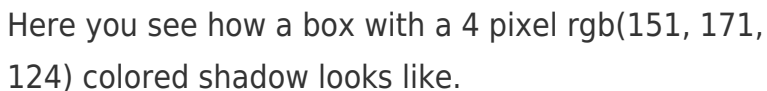
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(151, 171, 124) }
```

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

```
.border{ border-color:rgb(151, 171, 124) }
```

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



Here you see how a box with a 4 pixel `rgb(151, 171, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 171, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 171, 124);  
box-shadow:4px 4px 4px 4px rgb(151, 171,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1604, 0.3339, 0.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 171, 124) }
```

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

```
.background{ background-color: rgb(151,  
171, 124) }
```

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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