

Converting Colors

$Yxy(37.7335, 0.3584, 0.4328)$

Have a look what the booklet for
Yxy(37.7335, 0.3584, 0.4328)
contains.

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Color

Yxy(37.7335, 0.3584, 0.4328)

Conversions

Conversions Part 1

Format	Color
Hex	9EAC66
RGB	158, 172, 102
RGB Percent	62%, 67%, 40%
CMY	0.3805, 0.3254, 0.6000
CMYK	0.08, 0.00, 0.41, 0.33
HSL	72°, 30%, 54%
HSV	72°, 41%, 67%
XYZ	31.2470, 37.7335, 18.2041
YIQ	159.8340, 14.1260, -24.7380

Conversions

Conversions Part 2

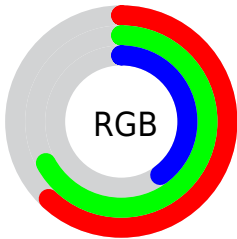
Format	Color
RYB	102, 172, 116
Decimal	10398822
CIELab	67.82, -16.22, 34.34
CIELCh	68, 37.984, 115.286
Yxy	37.7335, 0.3584, 0.4328
Android (android.graphics.Color)	4288588902 (0xFF9EAC66)
YUV	159.8340, -28.5122, -1.6084
Hunter-Lab	61.4276, -16.6990, 25.4287

Details

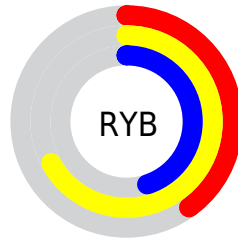
The Yxy color **37.7335, 0.3584, 0.4328** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.1953, 0.2529, 0.2110**, and the grayscale version is **35.2009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5674, 0.3512, 0.4119**, and **16.6932, 0.3686, 0.4666** is the 20% darker color. If you saturate the color by 10%, you get **37.0838, 0.3679, 0.4576**, and if you desaturate by 10%, it is **38.4672, 0.3477, 0.4068**.

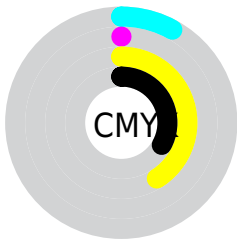
Distribution



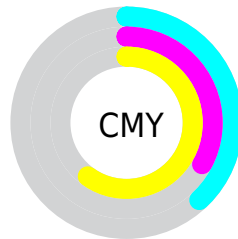
- Red (62%)
- Green (67%)
- Blue (40%)



- Red (40%)
- Yellow (67%)
- Blue (45%)



- Cyan (8%)
- Magenta (0%)
- Yellow (41%)
- Black (33%)





- Cyan (38%)
- Magenta (33%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7335, 0.3584, 0.4328 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 37.7335, 0.3584, 0.4328 by changing the saturation by 10% instead.


 37.7335, 0.3584,
0.4328

 37.7335, 0.3584,
0.4328


336.4754, 0.3364,
0.3780

 25.7759, 0.3633,
0.4472


 71.6995, 0.3508,
0.4123

 16.6561, 0.3690,
0.4659

 94.4767, 0.3478,
0.4048

 9.9896, 0.3754,
0.4910


 121.6292, 0.3452,
0.3984

 5.3921, 0.3816,
0.5256

 153.5414, 0.3430,
0.3931

 2.4791, 0.4002,
0.5998

190.5977, 0.3410,
0.3885

 0.8661, 0.3303,
0.6697

233.1826, 0.3393,

 0.0000, 0.0000,

0.3845

0.0000

281.6803, 0.3378,
0.3810

■ 37.7335, 0.3584,
0.4328

■ 37.7335, 0.3584,
0.4328

■ 37.0838, 0.3679,
0.4576

■ 38.4672, 0.3477,
0.4068

■ 36.5085, 0.3757,
0.4803

■ 39.2840, 0.3364,
0.3807

■ 36.0044, 0.3815,
0.4997

■ 40.1893, 0.3249,
0.3551

■ 35.5658, 0.3847,
0.5151

■ 41.1867, 0.3135,
0.3307


■ 35.1860, 0.3855,
0.5260


■ 42.2796, 0.3025,
0.3077

 34.8723, 0.3845,
0.5329

 43.4711, 0.2921,
0.2865

 44.7643, 0.2823,
0.2671

 46.1620, 0.2732,
0.2494

 47.5503, 0.2659,
0.2351

Harmonies

Analogous

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



37.7335, 0.4042, 0.4144



37.7335, 0.3584, 0.4328



37.7335, 0.3027, 0.4177

Triad

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



37.7335, 0.3584, 0.4328



37.7335, 0.2107, 0.2668



37.7335, 0.3723, 0.2905

Complementary

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



37.7335, 0.3584, 0.4328



16.1953, 0.2529, 0.2110

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.



37.7335, 0.3147, 0.2582



37.7335, 0.3584, 0.4328



37.7335, 0.2251, 0.2431

Square

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



37.7335, 0.3584, 0.4328



37.7335, 0.2199, 0.3122



37.7335, 0.2614, 0.2411



37.7335, 0.4147, 0.3322

Rectangle

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



37.7335, 0.3584, 0.4328



37.7335, 0.2677, 0.3885



37.7335, 0.2614, 0.2411



37.7335, 0.3537, 0.2783

Sweetspot

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



37.7352, 0.3584, 0.4328



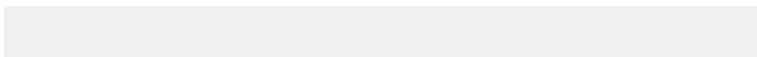
72.6397, 0.3266, 0.3589



22.2210, 0.4048, 0.3506



15.7406, 0.3281, 0.3621



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.



37.7352, 0.3584, 0.4328



67.3575, 0.3672, 0.4556



34.6797, 0.3249, 0.4450



9.2479, 0.3233, 0.3516



25.9700, 0.3848, 0.5326



0.7428, 0.3959, 0.5238

Inverse Universe

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



16.1953, 0.2529, 0.2110



22.8140, 0.2361, 0.1807



19.0601, 0.2922, 0.2231



7.8317, 0.3015, 0.3058



2.4951, 0.1610, 0.0660



0.0914, 0.1895, 0.0817

Previews

White Background



This preview shows how the Yxy color 37.7335, 0.3584, 0.4328 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 37.7335, 0.3584, 0.4328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

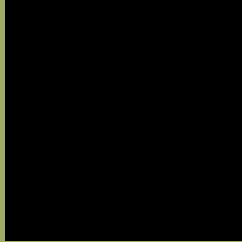
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7335, 0.3584, 0.4328

Background



This preview shows how black text looks on a background with the Yxy color 37.7335, 0.3584, 0.4328.



This preview shows how white text looks on a background with the Yxy color 37.7335, 0.3584, 0.4328.

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

37.7335, 0.3584, 0.4328

Protanopia

37.5144, 0.3868, 0.4202

Deuteranopia

37.6158, 0.4054, 0.3978



Tritanopia

37.5445, 0.3052, 0.3108

Trichromacy



Original Color

37.7335, 0.3584, 0.4328

Protanomaly

37.6960, 0.3761, 0.4255

Deuteranomaly

37.3842, 0.3878, 0.4099

Tritanomaly

37.3349, 0.3257, 0.3538

Monochromacy



Original Color

37.7335, 0.3584, 0.4328

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.7859, 0.3301, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7335, 0.3584, 0.4328 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(158, 172, 102)` looks like.

```
.text, #text, p{  
    color:rgb(158, 172, 102)  
}
```

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(158, 172, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 172, 102) }
```

Border

The CSS property to change the border of an element to Yxy 37.7335, 0.3584, 0.4328 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(158, 172, 102) }
```

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

```
.border{ border-color:rgb(158, 172, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 172, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 172, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 172, 102);  
box-shadow:4px 4px 4px 4px rgb(158, 172,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7335, 0.3584, 0.4328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 172, 102) }
```

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

```
.background{ background-color: rgb(158,  
172, 102) }
```

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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