

Converting Colors

$Yxy(37.4593, 0.3234, 0.3515)$

Have a look what the booklet for
Yxy(37.4593, 0.3234, 0.3515)
contains.

Yxy(37.2933, 0.3230, 0.3509)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.2933, 0.3230, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	A3A697
RGB	163, 166, 151
RGB Percent	64%, 65%, 59%
CMY	0.3607, 0.3490, 0.4079
CMYK	0.02, 0.00, 0.09, 0.35
HSL	72°, 8%, 62%
HSV	72°, 9%, 65%
XYZ	34.3281, 37.2933, 34.6576
YIQ	163.3930, 3.0270, -5.3010

Conversions

Conversions Part 2

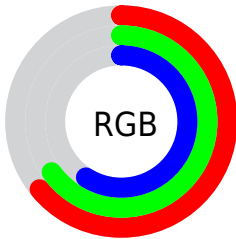
Format	Color
RYB	151, 166, 154
Decimal	10725015
CIELab	67.50, -3.82, 7.40
CIELCh	67, 8.333, 117.319
Yxy	37.2933, 0.3230, 0.3509
Android (android.graphics.Color)	4288915095 (0xFFA3A697)
YUV	163.3930, -6.1097, -0.3447
Hunter-Lab	61.0682, -6.5297, 9.0994

Details

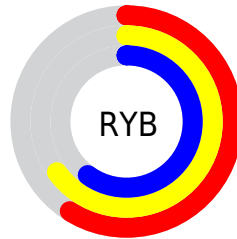
The Yxy color **37.2933, 0.3230, 0.3509** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.7453, 0.3019, 0.3065**, and the grayscale version is **36.8512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0261, 0.3212, 0.3468**, and **16.3342, 0.3259, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **36.4501, 0.3345, 0.3762**, and if you desaturate by 10%, it is **38.2247, 0.3117, 0.3268**.

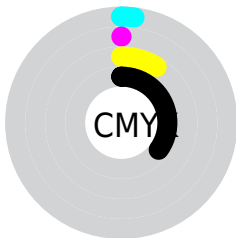
Distribution



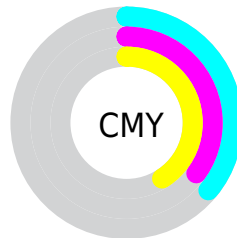
- Red (64%)
- Green (65%)
- Blue (59%)



- Red (59%)
- Yellow (65%)
- Blue (60%)



- Cyan (2%)
- Magenta (0%)
- Yellow (9%)
- Black (35%)





- Cyan (36%)
- Magenta (35%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.2933, 0.3230, 0.3509 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 37.2933, 0.3230, 0.3509 by changing the saturation by 10% instead.


 37.2933, 0.3230,
0.3509


 37.2933, 0.3230,
0.3509


334.5786, 0.3177,
0.3395

 25.4347, 0.3244,
0.3539


 71.0237, 0.3210,
0.3466

 16.4012, 0.3262,
0.3579


 93.6642, 0.3203,
0.3450

 9.8085, 0.3286,
0.3635


120.6674, 0.3197,
0.3437

 5.2722, 0.3321,
0.3717

152.4178, 0.3192,
0.3426

 2.4078, 0.3375,
0.3849

189.2997, 0.3187,
0.3417

 0.8299, 0.3638,
0.4342

231.6976, 0.3184,

 0.0000, 0.0000,

0.3408

0.0000

279.9957, 0.3180,
0.3401

■ 37.2933, 0.3230,
0.3509

■ 37.2933, 0.3230,
0.3509

■ 36.4501, 0.3345,
0.3762

■ 38.2247, 0.3117,
0.3268

■ 35.6871, 0.3459,
0.4023

■ 39.2425, 0.3007,
0.3042

■ 35.0023, 0.3567,
0.4282

■ 40.3513, 0.2904,
0.2833

■ 34.3922, 0.3665,
0.4532

■ 41.5537, 0.2807,
0.2642

■ 33.8526, 0.3747,
0.4762

■ 42.8523, 0.2717,
0.2468

■ 33.3791, 0.3808,
0.4962

■ 44.2497, 0.2635,
0.2311

■ 32.9666, 0.3846,
0.5123

■ 44.9388, 0.2631,
0.2276

■ 32.6092, 0.3859,
0.5240

■ 45.3560, 0.2655,
0.2283

■ 32.2953, 0.3850,
0.5318

■ 45.7827, 0.2679,
0.2289

Harmonies

Analogous

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



37.2933, 0.3329, 0.3491



37.2933, 0.3230, 0.3509



37.2933, 0.3105, 0.3465

Triad

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



37.2933, 0.3230, 0.3509



37.2933, 0.2886, 0.3153



37.2933, 0.3267, 0.3210

Complementary

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



37.2933, 0.3230, 0.3509



31.7453, 0.3019, 0.3065

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.



37.2933, 0.3146, 0.3124



37.2933, 0.3230, 0.3509



37.2933, 0.2927, 0.3090

Square

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



37.2933, 0.3230, 0.3509



37.2933, 0.2908, 0.3256



37.2933, 0.3022, 0.3080



37.2933, 0.3351, 0.3317

Rectangle

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



37.2933, 0.3230, 0.3509



37.2933, 0.3023, 0.3407



37.2933, 0.3022, 0.3080



37.2933, 0.3229, 0.3177

Sweetspot

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



37.2949, 0.3230, 0.3509



68.6794, 0.3162, 0.3363



33.3637, 0.3277, 0.3331



15.3391, 0.3171, 0.3382



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.



37.2949, 0.3230, 0.3509



67.3436, 0.3255, 0.3563



36.5476, 0.3161, 0.3514



8.6976, 0.3233, 0.3515



25.0407, 0.3853, 0.5323



0.6279, 0.3972, 0.5228

Inverse Universe

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



31.7453, 0.3019, 0.3065



55.0519, 0.2991, 0.3008



32.4819, 0.3090, 0.3070



7.3695, 0.3016, 0.3059



2.4009, 0.1609, 0.0660



0.0780, 0.1910, 0.0826

Previews

White Background



This preview shows how the Yxy color 37.2933, 0.3230, 0.3509 looks on a white background.

Color Contrast Check

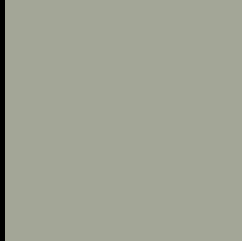
Large Text (above 18pt) WCAG AA × Fail

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 37.2933, 0.3230, 0.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

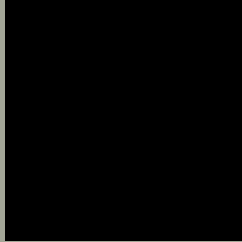
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

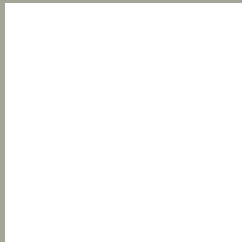
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.2933, 0.3230, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 37.2933, 0.3230, 0.3509.



This preview shows how white text looks on a background with the Yxy color 37.2933, 0.3230, 0.3509.

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

37.2933, 0.3230, 0.3509

Protanopia

37.4109, 0.3319, 0.3490

Deuteranopia

37.2536, 0.3440, 0.3387



Tritanopia

37.1513, 0.3061, 0.3108

Trichromacy



Original Color

37.2933, 0.3230, 0.3509

Protanomaly

37.4371, 0.3288, 0.3506

Deuteranomaly

37.3378, 0.3353, 0.3431

Tritanomaly

37.0546, 0.3129, 0.3247

Monochromacy



Original Color

37.2933, 0.3230, 0.3509

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.8407, 0.3161, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2933, 0.3230, 0.3509 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(163, 166, 151)` looks like.

```
.text, #text, p{  
    color:rgb(163, 166, 151)  
}
```

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(163, 166, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 166, 151) }
```

Border

The CSS property to change the border of an element to Yxy 37.2933, 0.3230, 0.3509 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(163, 166, 151) }
```

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

```
.border{ border-color:rgb(163, 166, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 166, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 166, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 166, 151);  
box-shadow:4px 4px 4px 4px rgb(163, 166,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2933, 0.3230, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 166, 151) }
```

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

```
.background{ background-color: rgb(163,  
166, 151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor