

Converting Colors

$Y_{xy}(36.8135, 0.3109, 0.3673)$

Have a look what the booklet for
Yxy(36.8135, 0.3109, 0.3673)
contains.

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Color

Yxy(36.8135, 0.3109, 0.3673)

Conversions

Conversions Part 1

Format	Color
Hex	91AA91
RGB	145, 170, 145
RGB Percent	57%, 67%, 57%
CMY	0.4314, 0.3333, 0.4314
CMYK	0.15, 0.00, 0.15, 0.33
HSL	120°, 13%, 62%
HSV	120°, 15%, 67%
XYZ	31.1607, 36.8135, 32.2532
YIQ	159.6750, -6.8750, -13.0750

Conversions

Conversions Part 2

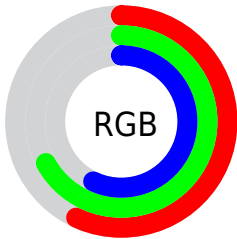
Format	Color
RYB	145, 170, 170
Decimal	9546385
CIELab	67.14, -13.58, 10.02
CIELCh	67, 16.876, 143.587
Yxy	36.8135, 0.3109, 0.3673
Android (android.graphics.Color)	4287736465 (0xFF91AA91)
YUV	159.6750, -7.2348, -12.8700
Hunter-Lab	60.6741, -14.5067, 10.9545

Details

The Yxy color **36.8135, 0.3109, 0.3673** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.6946, 0.3144, 0.2935**, and the grayscale version is **35.0323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1161, 0.3113, 0.3591**, and **16.1628, 0.3091, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **34.8992, 0.3095, 0.3975**, and if you desaturate by 10%, it is **39.0404, 0.3122, 0.3405**.

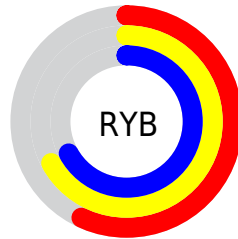
Distribution



Red (57%)

Green (67%)

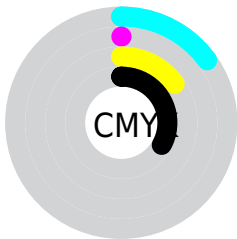
Blue (57%)



Red (57%)

Yellow (67%)

Blue (67%)

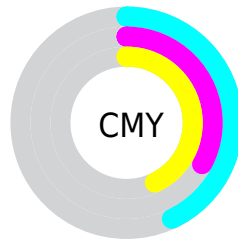


Cyan (15%)

Magenta (0%)

Yellow (15%)

Black (33%)



Cyan (43%)


Magenta (33%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8135, 0.3109, 0.3673 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 36.8135, 0.3109, 0.3673 by changing the saturation by 10% instead.


 36.8135, 0.3109,
0.3673


 36.8135, 0.3109,
0.3673


332.5024, 0.3121,
0.3469

 25.0631, 0.3105,
0.3728


 70.2859, 0.3114,
0.3596

 16.1241, 0.3099,
0.3802


 92.7766, 0.3116,
0.3568

 9.6120, 0.3090,
0.3905


119.6163, 0.3117,
0.3545

 5.1425, 0.3074,
0.4061

151.1893, 0.3118,
0.3525

 2.3311, 0.3042,
0.4320

187.8800, 0.3119,
0.3508

 0.7901, 0.3063,
0.5770

230.0728, 0.3120,

 0.0000, 0.0000,

0.3493

0.0000

278.1522, 0.3120,
0.3481

■ 36.8135, 0.3109,
0.3673

■ 36.8135, 0.3109,
0.3673

■ 34.8992, 0.3095,
0.3975

■ 39.0404, 0.3122,
0.3405

■ 33.2791, 0.3079,
0.4305

■ 41.5880, 0.3133,
0.3170

■ 31.9400, 0.3063,
0.4655

■ 44.4701, 0.3143,
0.2967

■ 30.8659, 0.3046,
0.5007

■ 47.6981, 0.3151,
0.2793

■ 30.0393, 0.3031,
0.5337

■ 51.2829, 0.3158,
0.2643

■ 29.4405, 0.3017,
0.5619

■ 55.2350, 0.3164,
0.2514

■ 29.0466, 0.3008,
0.5828

■ 57.2322, 0.3166,
0.2460

■ 28.8302, 0.3002,
0.5953

■ 28.7526, 0.3000,
0.5999

Harmonies

Analogous

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



36.8135, 0.3361, 0.3744



36.8135, 0.3109, 0.3673



36.8135, 0.2869, 0.3485

Triad

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



36.8135, 0.3109, 0.3673



36.8135, 0.2709, 0.2896



36.8135, 0.3571, 0.3310

Complementary

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



36.8135, 0.3109, 0.3673



31.6946, 0.3144, 0.2935

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.



36.8135, 0.3383, 0.3103



36.8135, 0.3109, 0.3673



36.8135, 0.2884, 0.2869

Square

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



36.8135, 0.3109, 0.3673



36.8135, 0.2644, 0.3029



36.8135, 0.3129, 0.2945



36.8135, 0.3635, 0.3521

Rectangle

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



36.8135, 0.3109, 0.3673



36.8135, 0.2746, 0.3325



36.8135, 0.3129, 0.2945



36.8135, 0.3520, 0.3238

Sweetspot

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



36.8151, 0.3109, 0.3673



71.1087, 0.3122, 0.3389



39.3430, 0.3343, 0.3647



15.7860, 0.3122, 0.3407



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.



36.8151, 0.3109, 0.3673



65.4733, 0.3104, 0.3778



37.2219, 0.3007, 0.3478



8.4078, 0.3116, 0.3523



21.1487, 0.3000, 0.5999



0.5146, 0.2999, 0.5996

Inverse Universe

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



31.6946, 0.3144, 0.2935



54.1919, 0.3148, 0.2846



31.2442, 0.3267, 0.3109



7.6665, 0.3138, 0.3068



8.4175, 0.3211, 0.1543



0.2048, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 36.8135, 0.3109, 0.3673 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 36.8135, 0.3109, 0.3673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

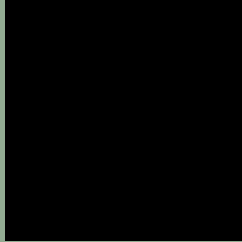
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8135, 0.3109, 0.3673

Background



This preview shows how black text looks on a background with the Yxy color 36.8135, 0.3109, 0.3673.



This preview shows how white text looks on a background with the Yxy color 36.8135, 0.3109, 0.3673.

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

36.8135, 0.3109, 0.3673

Protanopia

36.7754, 0.3404, 0.3607

Deuteranopia

36.5663, 0.3494, 0.3415



Tritanopia

36.7039, 0.2894, 0.3101

Trichromacy



Original Color

36.8135, 0.3109, 0.3673

Protanomaly

36.9068, 0.3300, 0.3644

Deuteranomaly

36.4933, 0.3340, 0.3507

Tritanomaly

36.7802, 0.2973, 0.3304

Monochromacy



Original Color

36.8135, 0.3109, 0.3673

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.8860, 0.3121, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8135, 0.3109, 0.3673 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 $rgb(145, 170, 145)$ looks like.

```
.text, #text, p{  
    color:rgb(145, 170, 145)  
}
```

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(145, 170, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 170, 145) }
```

Border

The CSS property to change the border of an element to Yxy 36.8135, 0.3109, 0.3673 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(145, 170, 145) }
```

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

```
.border{ border-color:rgb(145, 170, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 170, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 170, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 170, 145);  
box-shadow:4px 4px 4px 4px rgb(145, 170,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8135, 0.3109, 0.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 170, 145) }
```

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

```
.background{ background-color: rgb(145,  
170, 145) }
```

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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