

Converting Colors

$Yxy(36.3244, 0.3648, 0.4585)$

Have a look what the booklet for
Yxy(36.3244, 0.3648, 0.4585)
contains.

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Color

Yxy(36.3610, 0.3647, 0.4579)

Conversions

Conversions Part 1

Format	Color
Hex	97AB55
RGB	151, 171, 85
RGB Percent	59%, 67%, 33%
CMY	0.4080, 0.3294, 0.6666
CMYK	0.12, 0.00, 0.50, 0.33
HSL	74°, 34%, 50%
HSV	74°, 50%, 67%
XYZ	28.9602, 36.3610, 14.0870
YIQ	155.2160, 15.6860, -30.9860

Conversions

Conversions Part 2

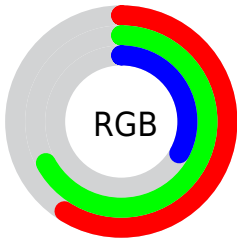
Format	Color
RYB	85, 171, 105
Decimal	9939797
CIELab	66.79, -20.42, 41.60
CIELCh	67, 46.338, 116.149
Yxy	36.3610, 0.3647, 0.4579
Android (android.graphics.Color)	4288129877 (0xFF97AB55)
YUV	155.2160, -34.6165, -3.6974
Hunter-Lab	60.3001, -19.7974, 28.3590

Details

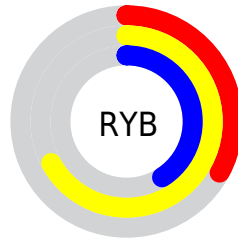
The Yxy color **36.3610, 0.3647, 0.4579** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.4453, 0.2383, 0.1805**, and the grayscale version is **33.0285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4643, 0.3569, 0.4316**, and **15.9117, 0.3744, 0.4991** is the 20% darker color. If you saturate the color by 10%, you get **35.7479, 0.3720, 0.4813**, and if you desaturate by 10%, it is **37.0559, 0.3557, 0.4325**.

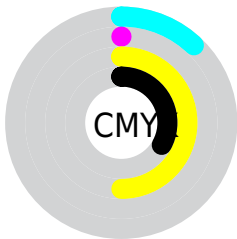
Distribution



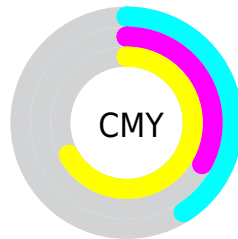
- Red (59%)
- Green (67%)
- Blue (33%)



- Red (33%)
- Yellow (67%)
- Blue (41%)



- Cyan (12%)
- Magenta (0%)
- Yellow (50%)
- Black (33%)





- Cyan (41%)
- Magenta (33%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3610, 0.3647, 0.4579 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 36.3610, 0.3647, 0.4579 by changing the saturation by 10% instead.


 36.3610, 0.3647,
0.4579

 36.3610, 0.3647,
0.4579


330.5357, 0.3405,
0.3894

 24.7131, 0.3695,
0.4757


 69.5889, 0.3567,
0.4323


 15.8635, 0.3746,
0.4986


 91.9377, 0.3534,
0.4229

 9.4276, 0.3790,
0.5288


 118.6223, 0.3505,
0.4150

 5.0211, 0.3858,
0.5772

 150.0271, 0.3480,
0.4083

 2.2597, 0.3731,
0.6269

 186.5364, 0.3458,
0.4026

 0.7522, 0.2234,
0.7766

228.5347, 0.3438,

 0.0000, 0.0000,

0.3976

0.0000

276.4063, 0.3421,
0.3933

■ 36.3610, 0.3647,
0.4579

■ 36.3610, 0.3647,
0.4579

■ 35.7479, 0.3720,
0.4813

■ 37.0559, 0.3557,
0.4325

■ 35.2069, 0.3773,
0.5015

■ 37.8322, 0.3456,
0.4061

■ 34.7339, 0.3801,
0.5178

■ 38.6957, 0.3349,
0.3798

■ 34.3224, 0.3804,
0.5295

■ 39.6501, 0.3239,
0.3541

■ 33.9679, 0.3789,
0.5374

■ 40.6989, 0.3130,
0.3297

■ 41.8455, 0.3025,
0.3069

■ 43.0931, 0.2926,
0.2858

■ 44.4446, 0.2832,
0.2666

■ 45.9030, 0.2745,
0.2491

Harmonies

Analogous

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



36.3610, 0.4219, 0.4325



36.3610, 0.3647, 0.4579



36.3610, 0.2969, 0.4399

Triad

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



36.3610, 0.3647, 0.4579



36.3610, 0.1903, 0.2508



36.3610, 0.3879, 0.2832

Complementary

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



36.3610, 0.3647, 0.4579



12.4453, 0.2383, 0.1805

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.



36.3610, 0.3164, 0.2448



36.3610, 0.3647, 0.4579



36.3610, 0.2079, 0.2246

Square

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



36.3610, 0.3647, 0.4579



36.3610, 0.1997, 0.3047



36.3610, 0.2514, 0.2238



36.3610, 0.4398, 0.3324

Rectangle

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



36.3610, 0.3647, 0.4579



36.3610, 0.2549, 0.4018



36.3610, 0.2514, 0.2238



36.3610, 0.3648, 0.2688

Sweetspot

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



36.3626, 0.3647, 0.4579



70.1285, 0.3293, 0.3667



19.1438, 0.4360, 0.3575



15.5617, 0.3316, 0.3720



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.



36.3626, 0.3647, 0.4579



63.9328, 0.3725, 0.4829



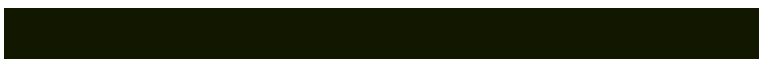
33.0618, 0.3250, 0.4763



9.2347, 0.3228, 0.3516



25.6271, 0.3793, 0.5371



0.7356, 0.3921, 0.5269

Inverse Universe

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



12.4453, 0.2383, 0.1805



16.3441, 0.2188, 0.1464



15.6089, 0.2874, 0.1987



7.8440, 0.3020, 0.3058



2.5751, 0.1640, 0.0677



0.0962, 0.1953, 0.0850

Previews

White Background



This preview shows how the Yxy color 36.3610, 0.3647, 0.4579 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 36.3610, 0.3647, 0.4579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

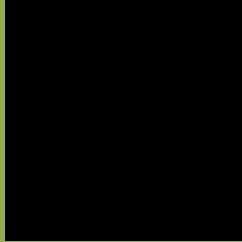
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3610, 0.3647, 0.4579

Background



This preview shows how black text looks on a background with the Yxy color 36.3610, 0.3647, 0.4579.



This preview shows how white text looks on a background with the Yxy color 36.3610, 0.3647, 0.4579.

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

36.3610, 0.3647, 0.4579

Protanopia

36.0336, 0.4016, 0.4380

Deuteranopia

36.1697, 0.4208, 0.4135



Tritanopia

36.2271, 0.3024, 0.3105

Trichromacy



Original Color

36.3610, 0.3647, 0.4579

Protanomaly

35.9698, 0.3882, 0.4451

Deuteranomaly

36.0181, 0.3996, 0.4288

Tritanomaly

36.1324, 0.3263, 0.3634

Monochromacy



Original Color

36.3610, 0.3647, 0.4579

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.9715, 0.3339, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3610, 0.3647, 0.4579 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(151, 171, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 171, 85) }
```

Border

The CSS property to change the border of an element to Yxy 36.3610, 0.3647, 0.4579 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, 85) }
```

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

```
.border{ border-color:rgb(151, 171, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 171, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 171, 85);  
box-shadow:4px 4px 4px 4px rgb(151, 171,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3610, 0.3647, 0.4579 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, 85) }
```

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

```
.background{ background-color: rgb(151,  
171, 85) }
```

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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