

Converting Colors

$Yxy(36.2943, 0.3061, 0.3799)$

Have a look what the booklet for
Yxy(36.2943, 0.3061, 0.3799)
contains.

Yxy(36.4375, 0.3059, 0.3811)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.4375, 0.3059, 0.3811)

Conversions

Conversions Part 1

Format	Color
Hex	86AC8B
RGB	134, 172, 139
RGB Percent	53%, 67%, 55%
CMY	0.4744, 0.3255, 0.4548
CMYK	0.22, 0.00, 0.19, 0.33
HSL	128°, 19%, 60%
HSV	128°, 22%, 67%
XYZ	29.2475, 36.4375, 29.9264
YIQ	156.8760, -12.0550, -18.3190

Conversions

Conversions Part 2

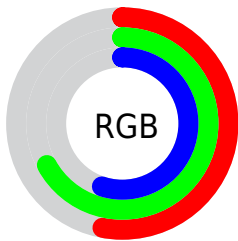
Format	Color
RYB	134, 168, 172
Decimal	8825995
CIELab	66.85, -19.56, 12.81
CIElCh	67, 23.386, 146.773
Yxy	36.4375, 0.3059, 0.3811
Android (android.graphics.Color)	4287016075 (0xFF86AC8B)
YUV	156.8760, -8.8129, -20.0623
Hunter-Lab	60.3635, -19.1487, 12.8603

Details

The Yxy color **36.4375, 0.3059, 0.3811** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.6152, 0.3204, 0.2819**, and the grayscale version is **33.7055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0284, 0.3074, 0.3704**, and **15.9932, 0.3023, 0.4000** is the 20% darker color. If you saturate the color by 10%, you get **34.7313, 0.3028, 0.4091**, and if you desaturate by 10%, it is **38.4363, 0.3090, 0.3558**.

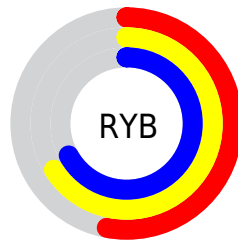
Distribution



Red (53%)

Green (67%)

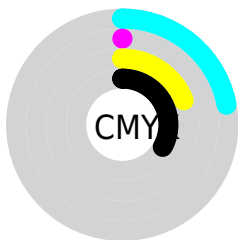
Blue (55%)



Red (53%)

Yellow (66%)

Blue (67%)

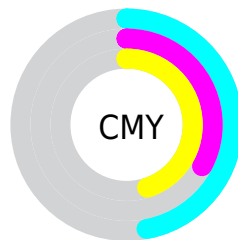


Cyan (22%)

Magenta (0%)

Yellow (19%)

Black (33%)



Cyan (47%)


Magenta (33%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4375, 0.3059, 0.3811 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 36.4375, 0.3059, 0.3811 by changing the saturation by 10% instead.


 36.4375, 0.3059,
0.3811

 36.4375, 0.3059,
0.3811


330.8688, 0.3099,
0.3531


 24.7723, 0.3047,
0.3888


 69.7068, 0.3075,
0.3704

 15.9075, 0.3030,
0.3991

 92.0797, 0.3081,
0.3666

 9.4587, 0.3004,
0.4137


 118.7905, 0.3085,
0.3634

 5.0416, 0.2961,
0.4359

150.2238, 0.3089,
0.3607

 2.2717, 0.2880,
0.4733

186.7639, 0.3092,
0.3584

 0.7587, 0.2430,
0.7570

228.7951, 0.3095,

 0.0000, 0.0000,

0.3564

0.0000

276.7019, 0.3097,
0.3547

■ 36.4375, 0.3059,
0.3811

■ 36.4375, 0.3059,
0.3811

■ 34.7313, 0.3028,
0.4091

■ 38.4363, 0.3090,
0.3558

■ 33.2996, 0.3000,
0.4394

■ 40.7356, 0.3121,
0.3333

■ 32.1293, 0.2976,
0.4711


■ 43.3489, 0.3150,
0.3136

■ 31.2046, 0.2959,
0.5026

■ 46.2874, 0.3178,
0.2965


■ 30.5076, 0.2950,
0.5323


■ 49.5618, 0.3204,
0.2817

 30.0184, 0.2951,
0.5579

 53.1822, 0.3228,
0.2689

 29.7132, 0.2961,
0.5778

 57.1585, 0.3250,
0.2579

 29.5650, 0.2970,
0.5891

 57.9845, 0.3165,
0.2479

Harmonies

Analogous

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



36.4375, 0.3412, 0.3927



36.4375, 0.3059, 0.3811



36.4375, 0.2737, 0.3527

Triad

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



36.4375, 0.3059, 0.3811



36.4375, 0.2572, 0.2736



36.4375, 0.3767, 0.3342

Complementary

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



36.4375, 0.3059, 0.3811



28.6152, 0.3204, 0.2819

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.



36.4375, 0.3516, 0.3059



36.4375, 0.3059, 0.3811



36.4375, 0.2821, 0.2720

Square

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



36.4375, 0.3059, 0.3811



36.4375, 0.2468, 0.2897



36.4375, 0.3165, 0.2837



36.4375, 0.3833, 0.3628

Rectangle

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



36.4375, 0.3059, 0.3811



36.4375, 0.2580, 0.3297



36.4375, 0.3165, 0.2837



36.4375, 0.3701, 0.3244

Sweetspot

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



36.4390, 0.3059, 0.3811



71.7282, 0.3106, 0.3443



39.5036, 0.3411, 0.3837



15.5371, 0.3104, 0.3456



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.



36.4390, 0.3059, 0.3811



64.6857, 0.3045, 0.3931



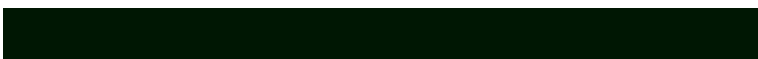
37.0236, 0.2915, 0.3514



8.9559, 0.3099, 0.3493



22.0065, 0.2967, 0.5880



0.6174, 0.2853, 0.5471

Inverse Universe

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



28.6152, 0.3204, 0.2819



48.1987, 0.3221, 0.2724



27.9820, 0.3401, 0.3077



8.1296, 0.3157, 0.3095



8.1552, 0.3566, 0.1738



0.2318, 0.3444, 0.1671

Previews

White Background



This preview shows how the Yxy color 36.4375, 0.3059, 0.3811 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 36.4375, 0.3059, 0.3811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

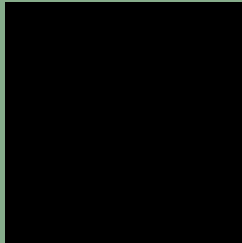
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4375, 0.3059, 0.3811

Background



This preview shows how black text looks on a background with the Yxy color 36.4375, 0.3059, 0.3811.



This preview shows how white text looks on a background with the Yxy color 36.4375, 0.3059, 0.3811.

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

36.4375, 0.3059, 0.3811

Protanopia

36.2198, 0.3472, 0.3696

Deuteranopia

36.0442, 0.3556, 0.3485



Tritanopia

36.2304, 0.2796, 0.3083

Trichromacy



Original Color

36.4375, 0.3059, 0.3811

Protanomaly

36.3191, 0.3314, 0.3740

Deuteranomaly

35.8707, 0.3356, 0.3598

Tritanomaly

36.1251, 0.2887, 0.3335

Monochromacy



Original Color

36.4375, 0.3059, 0.3811

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.4322, 0.3109, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4375, 0.3059, 0.3811 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(134, 172, 139)` looks like.

```
.text, #text, p{  
    color:rgb(134, 172, 139)  
}
```

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(134, 172, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 172, 139) }
```

Border

The CSS property to change the border of an element to Yxy 36.4375, 0.3059, 0.3811 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(134, 172, 139) }
```

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

```
.border{ border-color:rgb(134, 172, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 172, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 172, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 172, 139);  
box-shadow:4px 4px 4px 4px rgb(134, 172,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4375, 0.3059, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 172, 139) }
```

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

```
.background{ background-color: rgb(134,  
172, 139) }
```

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