

Converting Colors

$Yxy(37.0003, 0.3021, 0.3785)$

Have a look what the booklet for
Yxy(37.0003, 0.3021, 0.3785)
contains.

Yxy(37.1306, 0.3018, 0.3794)	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(37.1306, 0.3018, 0.3794)

Conversions

Conversions Part 1

Format	Color
Hex	84AE8E
RGB	132, 174, 142
RGB Percent	52%, 68%, 56%
CMY	0.4823, 0.3176, 0.4431
CMYK	0.24, 0.00, 0.18, 0.32
HSL	134°, 21%, 60%
HSV	134°, 24%, 68%
XYZ	29.5361, 37.1306, 31.1999
YIQ	157.7940, -14.7600, -18.8560

Conversions

Conversions Part 2

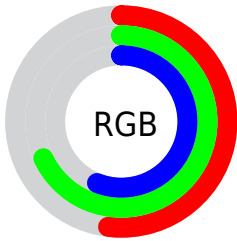
Format	Color
RYB	132, 166, 174
Decimal	8695438
CIELab	67.37, -20.71, 11.90
CIELCh	67, 23.880, 150.123
Yxy	37.1306, 0.3018, 0.3794
Android (android.graphics.Color)	4286885518 (0xFF84AE8E)
YUV	157.7940, -7.7864, -22.6213
Hunter-Lab	60.9349, -20.1141, 12.2967

Details

The Yxy color **37.1306, 0.3018, 0.3794** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **28.1876, 0.3259, 0.2834**, and the grayscale version is **34.1369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0183, 0.3041, 0.3692**, and **16.1968, 0.2969, 0.3953** is the 20% darker color. If you saturate the color by 10%, you get **35.4691, 0.2976, 0.4044**, and if you desaturate by 10%, it is **39.0766, 0.3063, 0.3568**.

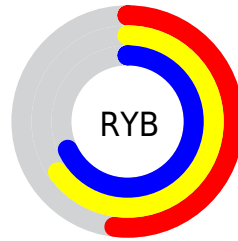
Distribution



Red (52%)

Green (68%)

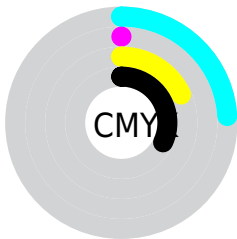
Blue (56%)



Red (52%)

Yellow (65%)

Blue (68%)

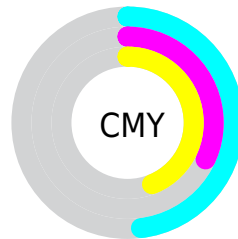


Cyan (24%)

Magenta (0%)

Yellow (18%)

Black (32%)



Cyan (48%)

Magenta (32%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1306, 0.3018, 0.3794 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 37.1306, 0.3018, 0.3794 by changing the saturation by 10% instead.


 37.1306, 0.3018,
0.3794


 37.1306, 0.3018,
0.3794


333.8756, 0.3079,
0.3524


 25.3086, 0.3000,
0.3868


 70.7736, 0.3042,
0.3691

 16.3071, 0.2976,
0.3967


 93.3634, 0.3050,
0.3654

 9.7418, 0.2941,
0.4107


 120.3113, 0.3057,
0.3623

 5.2281, 0.2886,
0.4318

152.0017, 0.3063,
0.3597

 2.3817, 0.2787,
0.4673

188.8189, 0.3068,
0.3575

 0.8164, 0.2364,
0.7135

231.1473, 0.3072,

 0.0000, 0.0000,

0.3556

0.0000

279.3714, 0.3076,
0.3539

■ 37.1306, 0.3018,
0.3794

■ 37.1306, 0.3018,
0.3794

■ 35.4691, 0.2976,
0.4044

■ 39.0766, 0.3063,
0.3568

■ 34.0742, 0.2938,
0.4313

■ 41.3148, 0.3108,
0.3366

■ 32.9331, 0.2908,
0.4596

■ 43.8584, 0.3153,
0.3188

■ 32.0301, 0.2889,
0.4883

■ 46.7183, 0.3197,
0.3033

■ 31.3478, 0.2882,
0.5159

■ 49.9050, 0.3238,
0.2897

■ 30.8660, 0.2889,
0.5410

■ 53.4285, 0.3277,
0.2779

■ 30.5611, 0.2910,
0.5621

■ 57.2983, 0.3314,
0.2677

■ 30.4347, 0.2924,
0.5725

■ 58.3164, 0.3217,
0.2558

■ 58.7521, 0.3164,
0.2498

Harmonies

Analogous

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



37.1306, 0.3377, 0.3934



37.1306, 0.3018, 0.3794



37.1306, 0.2701, 0.3492

Triad

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



37.1306, 0.3018, 0.3794



37.1306, 0.2586, 0.2719



37.1306, 0.3794, 0.3375

Complementary

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



37.1306, 0.3018, 0.3794



28.1876, 0.3259, 0.2834

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.



37.1306, 0.3558, 0.3086



37.1306, 0.3018, 0.3794



37.1306, 0.2852, 0.2719

Square

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



37.1306, 0.3018, 0.3794



37.1306, 0.2462, 0.2866



37.1306, 0.3207, 0.2852



37.1306, 0.3838, 0.3662

Rectangle

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



37.1306, 0.3018, 0.3794



37.1306, 0.2552, 0.3258



37.1306, 0.3207, 0.2852



37.1306, 0.3734, 0.3276

Sweetspot

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



37.1322, 0.3018, 0.3794



73.6671, 0.3095, 0.3424



39.8529, 0.3391, 0.3899



16.3199, 0.3092, 0.3436



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.1322, 0.3018, 0.3794



65.6673, 0.2995, 0.3926



37.8166, 0.2860, 0.3461



8.9694, 0.3085, 0.3468



22.0825, 0.2919, 0.5707



0.6228, 0.2755, 0.5116

Inverse Universe

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



28.1876, 0.3259, 0.2834



46.5781, 0.3295, 0.2729



27.4962, 0.3489, 0.3127



8.1150, 0.3172, 0.3119



7.7575, 0.3906, 0.1925



0.2236, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 37.1306, 0.3018, 0.3794 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 37.1306, 0.3018, 0.3794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

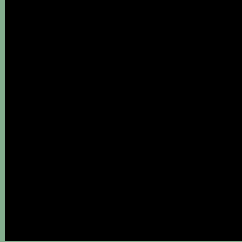
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1306, 0.3018, 0.3794

Background



This preview shows how black text looks on a background with the Yxy color 37.1306, 0.3018, 0.3794.



This preview shows how white text looks on a background with the Yxy color 37.1306, 0.3018, 0.3794.

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

37.1306, 0.3018, 0.3794

Protanopia

36.8848, 0.3461, 0.3664

Deuteranopia

36.9372, 0.3531, 0.3470



Tritanopia

36.8716, 0.2767, 0.3083

Trichromacy



Original Color

37.1306, 0.3018, 0.3794

Protanomaly

36.7706, 0.3286, 0.3708

Deuteranomaly

36.6715, 0.3325, 0.3582

Tritanomaly

36.7737, 0.2857, 0.3335

Monochromacy



Original Color

37.1306, 0.3018, 0.3794

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.2075, 0.3091, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1306, 0.3018, 0.3794 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(132, 174, 142)` looks like.

```
.text, #text, p{  
    color:rgb(132, 174, 142)  
}
```

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(132, 174, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 174, 142) }
```

Border

The CSS property to change the border of an element to Yxy 37.1306, 0.3018, 0.3794 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(132, 174, 142) }
```

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

```
.border{ border-color:rgb(132, 174, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 174, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 174, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 174, 142);  
box-shadow:4px 4px 4px 4px rgb(132, 174,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1306, 0.3018, 0.3794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 174, 142) }
```

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

```
.background{ background-color: rgb(132,  
174, 142) }
```

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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