

Converting Colors

$Y_{xy}(37.7155, 0.3050, 0.3779)$

Have a look what the booklet for
Yxy(37.7155, 0.3050, 0.3779)
contains.

Yxy(37.5736, 0.3053, 0.3772)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.5736, 0.3053, 0.3772)

Conversions

Conversions Part 1

Format	Color
Hex	89AE8F
RGB	137, 174, 143
RGB Percent	54%, 68%, 56%
CMY	0.4627, 0.3176, 0.4393
CMYK	0.21, 0.00, 0.18, 0.32
HSL	130°, 19%, 61%
HSV	130°, 21%, 68%
XYZ	30.4115, 37.5736, 31.6268
YIQ	159.4030, -12.1010, -17.4850

Conversions

Conversions Part 2

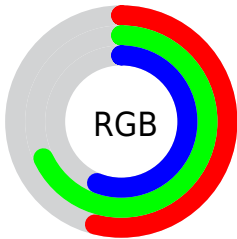
Format	Color
RYB	137, 169, 174
Decimal	9023119
CIELab	67.71, -18.82, 11.87
CIElCh	68, 22.245, 147.763
Yxy	37.5736, 0.3053, 0.3772
Android (android.graphics.Color)	4287213199 (0xFF89AE8F)
YUV	159.4030, -8.0867, -19.6474
Hunter-Lab	61.2973, -18.7109, 12.3170

Details

The Yxy color **37.5736, 0.3053, 0.3772** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **29.7250, 0.3211, 0.2852**, and the grayscale version is **34.9087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7012, 0.3069, 0.3676**, and **16.4435, 0.3015, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **35.8071, 0.3019, 0.4041**, and if you desaturate by 10%, it is **39.6380, 0.3088, 0.3530**.

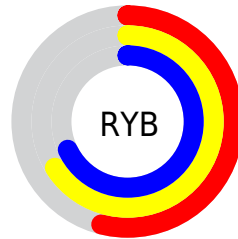
Distribution



Red (54%)

Green (68%)

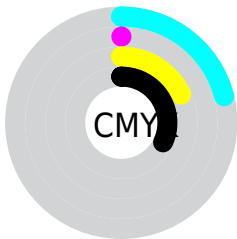
Blue (56%)



Red (54%)

Yellow (66%)

Blue (68%)

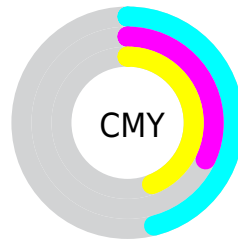


Cyan (21%)

Magenta (0%)

Yellow (18%)

Black (32%)



Cyan (46%)


Magenta (32%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5736, 0.3053, 0.3772 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 37.5736, 0.3053, 0.3772 by changing the saturation by 10% instead.


 37.5736, 0.3053,
0.3772


 37.5736, 0.3053,
0.3772


335.7873, 0.3095,
0.3515


 25.6519, 0.3041,
0.3842


 71.4541, 0.3070,
0.3674

 16.5634, 0.3023,
0.3936


 94.1817, 0.3076,
0.3639

 9.9237, 0.2998,
0.4067


 121.2801, 0.3080,
0.3610

 5.3484, 0.2957,
0.4266

153.1336, 0.3084,
0.3585

 2.4531, 0.2882,
0.4596

190.1267, 0.3088,
0.3564

 0.8530, 0.2696,
0.6543

232.6438, 0.3091,

 0.0000, 0.0000,

0.3545

0.0000

281.0692, 0.3093,
0.3529

■ 37.5736, 0.3053,
0.3772

■ 37.5736, 0.3053,
0.3772

■ 35.8071, 0.3019,
0.4041

■ 39.6380, 0.3088,
0.3530

■ 34.3202, 0.2987,
0.4332

■ 42.0082, 0.3123,
0.3315

■ 33.0999, 0.2961,
0.4639


■ 44.6977, 0.3156,
0.3127

■ 32.1301, 0.2942,
0.4948

■ 47.7179, 0.3188,
0.2963

■ 31.3932, 0.2932,
0.5243


■ 51.0794, 0.3218,
0.2821

 30.8693, 0.2934,
0.5505

 54.7924, 0.3246,
0.2698

 30.5346, 0.2946,
0.5717

 58.1348, 0.3240,
0.2585

 30.3565, 0.2960,
0.5854

 58.7525, 0.3164,
0.2498

Harmonies

Analogous

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



37.5736, 0.3386, 0.3888



37.5736, 0.3053, 0.3772



37.5736, 0.2751, 0.3503

Triad

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



37.5736, 0.3053, 0.3772



37.5736, 0.2609, 0.2765



37.5736, 0.3734, 0.3350

Complementary

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



37.5736, 0.3053, 0.3772



29.7250, 0.3211, 0.2852

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.



37.5736, 0.3504, 0.3081



37.5736, 0.3053, 0.3772



37.5736, 0.2848, 0.2753

Square

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



37.5736, 0.3053, 0.3772



37.5736, 0.2505, 0.2913



37.5736, 0.3175, 0.2868



37.5736, 0.3790, 0.3619

Rectangle

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



37.5736, 0.3053, 0.3772



37.5736, 0.2605, 0.3287



37.5736, 0.3175, 0.2868



37.5736, 0.3674, 0.3257

Sweetspot

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



37.5752, 0.3053, 0.3772



74.0402, 0.3106, 0.3416



40.4540, 0.3388, 0.3818



16.3958, 0.3104, 0.3430



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.



37.5752, 0.3053, 0.3772



66.4216, 0.3035, 0.3909



38.1680, 0.2913, 0.3486



8.9596, 0.3095, 0.3486



22.0235, 0.2956, 0.5840



0.6189, 0.2824, 0.5368

Inverse Universe

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



29.7250, 0.3211, 0.2852



49.3400, 0.3236, 0.2741



29.0970, 0.3402, 0.3103



8.1256, 0.3161, 0.3102



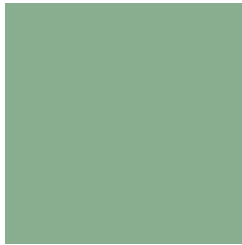
8.0388, 0.3655, 0.1787



0.2295, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 37.5736, 0.3053, 0.3772 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 37.5736, 0.3053, 0.3772 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 37.5736, 0.3053, 0.3772

Background



This preview shows how black text looks on a background with the Yxy color 37.5736, 0.3053, 0.3772.



This preview shows how white text looks on a background with the Yxy color 37.5736, 0.3053, 0.3772.

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

37.5736, 0.3053, 0.3772

Protanopia

37.2701, 0.3449, 0.3663

Deuteranopia

37.0938, 0.3531, 0.3455



Tritanopia

37.6826, 0.2808, 0.3100

Trichromacy



Original Color

37.5736, 0.3053, 0.3772

Protanomaly

37.3723, 0.3294, 0.3705

Deuteranomaly

37.0303, 0.3345, 0.3565

Tritanomaly

37.6157, 0.2891, 0.3334

Monochromacy



Original Color

37.5736, 0.3053, 0.3772

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.4301, 0.3101, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5736, 0.3053, 0.3772 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(137, 174, 143)` looks like.

```
.text, #text, p{  
    color:rgb(137, 174, 143)  
}
```

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(137, 174, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 174, 143) }
```

Border

The CSS property to change the border of an element to Yxy 37.5736, 0.3053, 0.3772 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(137, 174, 143) }
```

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

```
.border{ border-color:rgb(137, 174, 143) }
```

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

Here you see how a box with a 4 pixel rgb(137, 174, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 174, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 174, 143);  
box-shadow:4px 4px 4px 4px rgb(137, 174,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5736, 0.3053, 0.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 174, 143) }
```

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

```
.background{ background-color: rgb(137,  
174, 143) }
```

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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