

Converting Colors

$Yxy(46.1424, 0.2974, 0.3513)$

Have a look what the booklet for
Yxy(46.1424, 0.2974, 0.3513)
contains.

Yxy(46.3809, 0.2973, 0.3512)	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(46.3809, 0.2973, 0.3512)

Conversions

Conversions Part 1

Format	Color
Hex	9BBDAD
RGB	155, 189, 173
RGB Percent	61%, 74%, 68%
CMY	0.3920, 0.2588, 0.3215
CMYK	0.18, 0.00, 0.08, 0.26
HSL	152°, 20%, 67%
HSV	152°, 18%, 74%
XYZ	39.2626, 46.3809, 46.4205
YIQ	177.0100, -15.1280, -12.1840

Conversions

Conversions Part 2

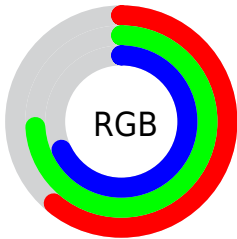
Format	Color
RYB	155, 177, 189
Decimal	10206637
CIELab	73.79, -14.66, 4.29
CIELCh	74, 15.271, 163.695
Yxy	46.3809, 0.2973, 0.3512
Android (android.graphics.Color)	4288396717 (0xFF9BBDAD)
YUV	177.0100, -1.9769, -19.3028
Hunter-Lab	68.1035, -16.2734, 7.2594

Details

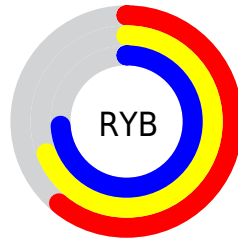
The Yxy color **46.3809, 0.2973, 0.3512** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.2128, 0.3314, 0.3078**, and the grayscale version is **43.9924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6079, 0.3005, 0.3472**, and **21.8724, 0.2922, 0.3580** is the 20% darker color. If you saturate the color by 10%, you get **44.3233, 0.2893, 0.3654**, and if you desaturate by 10%, it is **48.7580, 0.3058, 0.3383**.

Distribution



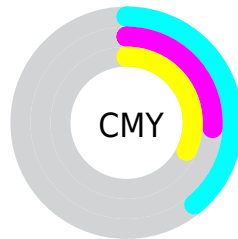
- Red (61%)
- Green (74%)
- Blue (68%)



- Red (61%)
- Yellow (69%)
- Blue (74%)



- Cyan (18%)
- Magenta (0%)
- Yellow (8%)
- Black (26%)





- Cyan (39%)
- Magenta (26%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3809, 0.2973, 0.3512 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 46.3809, 0.2973, 0.3512 by changing the saturation by 10% instead.

 46.3809, 0.2973,
0.3512


 46.3809, 0.2973,
0.3512


372.3379, 0.3051,
0.3399

 32.5465, 0.2953,
0.3541

 84.7888, 0.3002,
0.3471

 21.7793, 0.2928,
0.3578


 110.1310, 0.3012,
0.3455

 13.6948, 0.2893,
0.3629


140.0780, 0.3021,
0.3442

 7.9087, 0.2845,
0.3700

175.0141, 0.3029,
0.3431

 4.0366, 0.2770,
0.3811

215.3238, 0.3036,
0.3421

 1.6940, 0.2644,
0.4001

261.3914, 0.3041,

 0.4198, 0.0666,

0.3413

0.6789

313.6013, 0.3046,
0.3406

0.0000, 0.0000,
0.0000

46.3809, 0.2973,
0.3512

46.3809, 0.2973,
0.3512

44.3233, 0.2893,
0.3654

48.7580, 0.3058,
0.3383

42.5654, 0.2819,
0.3810

51.4619, 0.3145,
0.3268

41.0940, 0.2756,
0.3977

54.5069, 0.3232,
0.3165

39.8927, 0.2707,
0.4153

57.9048, 0.3318,
0.3074

38.9433, 0.2675,
0.4336

61.6667, 0.3402,
0.2995

■ 38.2251, 0.2661,
0.4520

■ 63.1664, 0.3375,
0.2912

■ 37.7144, 0.2667,
0.4701

■ 63.6688, 0.3305,
0.2826

■ 37.3743, 0.2692,
0.4875

■ 64.1970, 0.3237,
0.2742

■ 37.3142, 0.2697,
0.4910

■ 64.7512, 0.3171,
0.2661

Harmonies

Analogous

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



46.3809, 0.3185, 0.3640



46.3809, 0.2973, 0.3512



46.3809, 0.2806, 0.3320

Triad

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



46.3809, 0.2973, 0.3512



46.3809, 0.2866, 0.2932



46.3809, 0.3547, 0.3430

Complementary

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



46.3809, 0.2973, 0.3512



37.2128, 0.3314, 0.3078

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.



46.3809, 0.3456, 0.3249



46.3809, 0.2973, 0.3512



46.3809, 0.3058, 0.2968

Square

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



46.3809, 0.2973, 0.3512



46.3809, 0.2746, 0.2987



46.3809, 0.3275, 0.3082



46.3809, 0.3521, 0.3584

Rectangle

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



46.3809, 0.2973, 0.3512



46.3809, 0.2741, 0.3187



46.3809, 0.3275, 0.3082



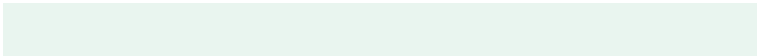
46.3809, 0.3530, 0.3371

Sweetspot

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



46.3828, 0.2973, 0.3512



88.6677, 0.3083, 0.3348



47.4697, 0.3242, 0.3752



18.9967, 0.3077, 0.3357



95.5105, 0.3127, 0.3290



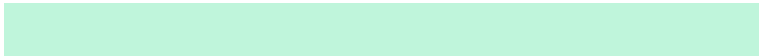
19.5994, 0.3127, 0.3290

Same Dimension

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



46.3828, 0.2973, 0.3512



81.3909, 0.2937, 0.3573



46.7964, 0.2860, 0.3282



10.7317, 0.3046, 0.3400



25.1227, 0.2691, 0.4888



0.9972, 0.2575, 0.4468

Inverse Universe

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



37.2128, 0.3314, 0.3078



61.5871, 0.3370, 0.3024



36.8282, 0.3469, 0.3299



9.6091, 0.3217, 0.3182



7.7795, 0.5057, 0.2559



0.3180, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 46.3809, 0.2973, 0.3512 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 46.3809, 0.2973, 0.3512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

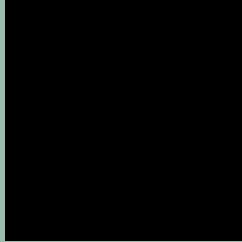
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

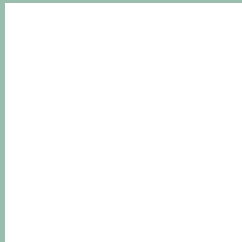
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3809, 0.2973, 0.3512

Background



This preview shows how black text looks on a background with the Yxy color 46.3809, 0.2973, 0.3512.



This preview shows how white text looks on a background with the Yxy color 46.3809, 0.2973, 0.3512.

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

46.3809, 0.2973, 0.3512

Protanopia

46.0345, 0.3286, 0.3447

Deuteranopia

46.0739, 0.3343, 0.3278



Tritanopia

46.3416, 0.2819, 0.3090

Trichromacy



Original Color

46.3809, 0.2973, 0.3512

Protanomaly

45.8832, 0.3162, 0.3465

Deuteranomaly

45.9280, 0.3202, 0.3356

Tritanomaly

46.1046, 0.2874, 0.3235

Monochromacy



Original Color

46.3809, 0.2973, 0.3512

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.6174, 0.3065, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3809, 0.2973, 0.3512 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(155, 189, 173)` looks like.

```
.text, #text, p{  
    color:rgb(155, 189, 173)  
}
```

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(155, 189, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 189, 173) }
```

Border

The CSS property to change the border of an element to Yxy 46.3809, 0.2973, 0.3512 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(155, 189, 173) }
```

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

```
.border{ border-color:rgb(155, 189, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 189, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 189, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 189, 173);  
box-shadow:4px 4px 4px 4px rgb(155, 189,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3809, 0.2973, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 189, 173) }
```

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

```
.background{ background-color: rgb(155,  
189, 173) }
```

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