

Converting Colors

$Yxy(42.4636, 0.3033, 0.3489)$

Have a look what the booklet for
Yxy(42.4636, 0.3033, 0.3489)
contains.

Yxy(42.4636, 0.3033, 0.3489)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.4636, 0.3033, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	9CB4A6
RGB	156, 180, 166
RGB Percent	61%, 71%, 65%
CMY	0.3883, 0.2941, 0.3490
CMYK	0.13, 0.00, 0.08, 0.29
HSL	145°, 14%, 66%
HSV	145°, 13%, 71%
XYZ	36.9138, 42.4636, 42.3297
YIQ	171.2280, -9.8100, -9.4420

Conversions

Conversions Part 2

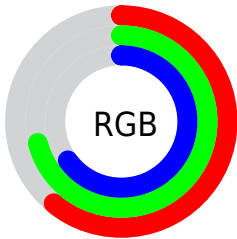
Format	Color
RYB	156, 173, 180
Decimal	10269862
CIELab	71.19, -11.02, 4.36
CIELCh	71, 11.848, 158.418
Yxy	42.4636, 0.3033, 0.3489
Android (android.graphics.Color)	4288459942 (0xFF9CB4A6)
YUV	171.2280, -2.5774, -13.3550
Hunter-Lab	65.1641, -12.9216, 7.1009

Details

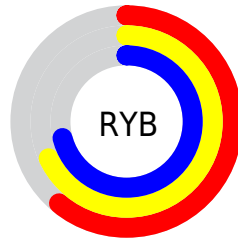
The Yxy color **42.4636, 0.3033, 0.3489** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.3807, 0.3234, 0.3099**, and the grayscale version is **40.8625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0602, 0.3053, 0.3453**, and **19.3969, 0.3011, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **40.4312, 0.2965, 0.3659**, and if you desaturate by 10%, it is **44.7971, 0.3103, 0.3337**.

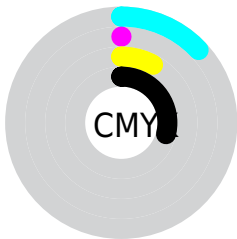
Distribution



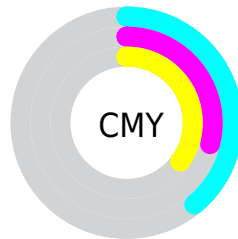
- Red (61%)
- Green (71%)
- Blue (65%)



- Red (61%)
- Yellow (68%)
- Blue (71%)



- Cyan (13%)
- Magenta (0%)
- Yellow (8%)
- Black (29%)





- Cyan (39%)
- Magenta (29%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4636, 0.3033, 0.3489 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 42.4636, 0.3033, 0.3489 by changing the saturation by 10% instead.


 42.4636, 0.3033,
0.3489


 42.4636, 0.3033,
0.3489


356.4012, 0.3082,
0.3387

 29.4645, 0.3020,
0.3516


 78.9008, 0.3051,
0.3451

 19.4325, 0.3004,
0.3550


 103.1076, 0.3058,
0.3437

 11.9832, 0.2981,
0.3598

131.8192, 0.3063,
0.3425

 6.7322, 0.2949,
0.3667

165.4198, 0.3068,
0.3415

 3.2952, 0.2898,
0.3775

204.2939, 0.3072,
0.3407

 1.2877, 0.2806,
0.3969

248.8259, 0.3076,

 0.1317, 0.0000,

0.3399

1.0000

299.4002, 0.3079,
0.3392

0.0000, 0.0000,
0.0000

42.4636, 0.3033,
0.3489

42.4636, 0.3033,
0.3489

40.4312, 0.2965,
0.3659

44.7971, 0.3103,
0.3337

38.6821, 0.2901,
0.3846

47.4381, 0.3174,
0.3202

37.2049, 0.2845,
0.4049

50.3993, 0.3244,
0.3083

35.9851, 0.2799,
0.4265

53.6912, 0.3312,
0.2978

35.0070, 0.2767,
0.4489

57.3238, 0.3377,
0.2887

■ 34.2530, 0.2752,
0.4715

■ 59.5602, 0.3365,
0.2795

■ 33.7029, 0.2755,
0.4936

■ 60.1642, 0.3281,
0.2696

■ 33.3328, 0.2777,
0.5143

■ 60.8043, 0.3200,
0.2600

■ 33.1536, 0.2798,
0.5272

■ 61.1247, 0.3162,
0.2556

Harmonies

Analogous

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



42.4636, 0.3205, 0.3578



42.4636, 0.3033, 0.3489



42.4636, 0.2889, 0.3343

Triad

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



42.4636, 0.3033, 0.3489



42.4636, 0.2896, 0.3005



42.4636, 0.3456, 0.3379

Complementary

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



42.4636, 0.3033, 0.3489



36.3807, 0.3234, 0.3099

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.



42.4636, 0.3369, 0.3232



42.4636, 0.3033, 0.3489



42.4636, 0.3043, 0.3021

Square

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



42.4636, 0.3033, 0.3489



42.4636, 0.2812, 0.3064



42.4636, 0.3216, 0.3103



42.4636, 0.3452, 0.3508

Rectangle

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



42.4636, 0.3033, 0.3489



42.4636, 0.2827, 0.3237



42.4636, 0.3216, 0.3103



42.4636, 0.3436, 0.3330

Sweetspot

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



42.4654, 0.3033, 0.3489



80.8945, 0.3098, 0.3347



43.5909, 0.3233, 0.3623



17.4126, 0.3093, 0.3358



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.4654, 0.3033, 0.3489



75.8566, 0.3013, 0.3537



42.9265, 0.2942, 0.3317



9.5469, 0.3061, 0.3426



23.1504, 0.2791, 0.5249



0.7402, 0.2632, 0.4675

Inverse Universe

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



36.3807, 0.3234, 0.3099



62.6674, 0.3261, 0.3055



35.9471, 0.3348, 0.3263



8.5856, 0.3199, 0.3158



7.4969, 0.4586, 0.2300



0.2472, 0.4107, 0.2036

Previews

White Background



This preview shows how the Yxy color 42.4636, 0.3033, 0.3489 looks on a white background.

Color Contrast Check

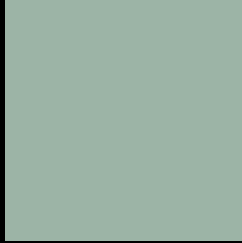
Large Text (above 18pt) WCAG AA × Fail

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 42.4636, 0.3033, 0.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

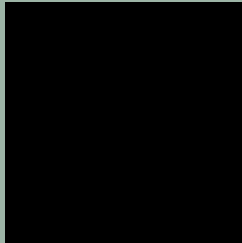
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

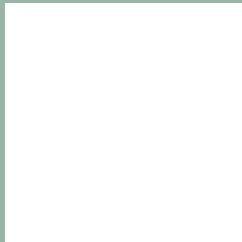
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4636, 0.3033, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 42.4636, 0.3033, 0.3489.



This preview shows how white text looks on a background with the Yxy color 42.4636, 0.3033, 0.3489.

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

42.4636, 0.3033, 0.3489

Protanopia

42.1991, 0.3284, 0.3439

Deuteranopia

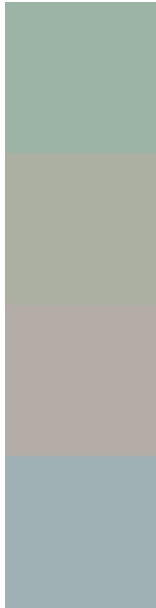
42.1699, 0.3360, 0.3291



Tritanopia

42.2420, 0.2883, 0.3098

Trichromacy



Original Color

42.4636, 0.3033, 0.3489

Protanomaly

42.3529, 0.3190, 0.3470

Deuteranomaly

41.9984, 0.3242, 0.3358

Tritanomaly

42.1514, 0.2943, 0.3234

Monochromacy



Original Color

42.4636, 0.3033, 0.3489

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.2437, 0.3097, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4636, 0.3033, 0.3489 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(156, 180, 166)` looks like.

```
.text, #text, p{  
    color:rgb(156, 180, 166)  
}
```

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(156, 180, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 180, 166) }
```

Border

The CSS property to change the border of an element to Yxy 42.4636, 0.3033, 0.3489 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(156, 180, 166) }
```

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

```
.border{ border-color:rgb(156, 180, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 180, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 180, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 180, 166);  
box-shadow:4px 4px 4px 4px rgb(156, 180,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4636, 0.3033, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 180, 166) }
```

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

```
.background{ background-color: rgb(156,  
180, 166) }
```

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