

Converting Colors

$Y_{xy}(45.0880, 0.3002, 0.3514)$

Have a look what the booklet for
Yxy(45.0880, 0.3002, 0.3514)
contains.

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Color

Yxy(45.0880, 0.3002, 0.3514)

Conversions

Conversions Part 1

Format	Color
Hex	9CBAAA
RGB	156, 186, 170
RGB Percent	61%, 73%, 67%
CMY	0.3884, 0.2705, 0.3333
CMYK	0.16, 0.00, 0.09, 0.27
HSL	148°, 18%, 67%
HSV	148°, 16%, 73%
XYZ	38.5185, 45.0880, 44.7031
YIQ	175.2060, -12.7440, -11.3360

Conversions

Conversions Part 2

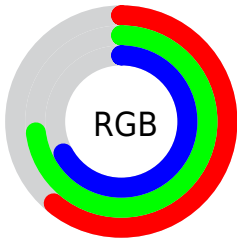
Format	Color
RYB	156, 176, 186
Decimal	10271402
CIELab	72.95, -13.39, 4.71
CIELCh	73, 14.200, 160.607
Yxy	45.0880, 0.3002, 0.3514
Android (android.graphics.Color)	4288461482 (0xFF9CBAAA)
YUV	175.2060, -2.5666, -16.8437
Hunter-Lab	67.1476, -15.1136, 7.5314

Details

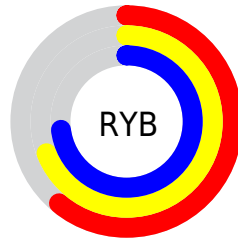
The Yxy color **45.0880, 0.3002, 0.3514** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.1808, 0.3275, 0.3076**, and the grayscale version is **42.9975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7894, 0.3029, 0.3473**, and **21.0261, 0.2960, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **43.0137, 0.2928, 0.3673**, and if you desaturate by 10%, it is **47.4785, 0.3079, 0.3371**.

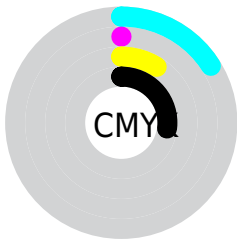
Distribution



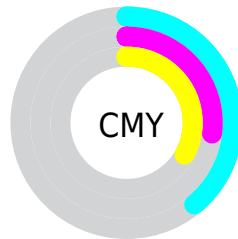
- Red (61%)
- Green (73%)
- Blue (67%)



- Red (61%)
- Yellow (69%)
- Blue (73%)



- Cyan (16%)
- Magenta (0%)
- Yellow (9%)
- Black (27%)





- Cyan (39%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0880, 0.3002, 0.3514 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 45.0880, 0.3002, 0.3514 by changing the saturation by 10% instead.

 45.0880, 0.3002,
0.3514

 45.0880, 0.3002,
0.3514


367.1298, 0.3066,
0.3400

 31.5267, 0.2986,
0.3543


 82.8524, 0.3025,
0.3472

 21.0003, 0.2964,
0.3582


 107.8244, 0.3034,
0.3456

 13.1242, 0.2936,
0.3633

137.3688, 0.3042,
0.3443

 7.5141, 0.2895,
0.3708

171.8699, 0.3048,
0.3432

 3.7857, 0.2831,
0.3823

211.7122, 0.3053,
0.3422

 1.5544, 0.2721,
0.4025

257.2800, 0.3058,

 0.3266, 0.0000,

0.3414

0.9264

308.9577, 0.3062,
0.3406

0.0000, 0.0000,
0.0000

45.0880, 0.3002,
0.3514

45.0880, 0.3002,
0.3514

43.0137, 0.2928,
0.3673

47.4785, 0.3079,
0.3371

41.2364, 0.2861,
0.3848

50.1923, 0.3157,
0.3243

39.7435, 0.2802,
0.4036

53.2431, 0.3235,
0.3129

38.5192, 0.2755,
0.4236

56.6422, 0.3311,
0.3030

37.5461, 0.2724,
0.4442

60.4006, 0.3385,
0.2942

■ 36.8048, 0.2711,
0.4650

■ 62.0668, 0.3354,
0.2851

■ 36.2726, 0.2718,
0.4854

■ 62.6378, 0.3276,
0.2757

■ 35.9206, 0.2743,
0.5046

■ 63.2409, 0.3201,
0.2666

■ 35.8107, 0.2755,
0.5117

■ 63.6039, 0.3159,
0.2614

Harmonies

Analogous

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



45.0880, 0.3203, 0.3625



45.0880, 0.3002, 0.3514



45.0880, 0.2839, 0.3338

Triad

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



45.0880, 0.3002, 0.3514



45.0880, 0.2867, 0.2955



45.0880, 0.3517, 0.3405

Complementary

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



45.0880, 0.3002, 0.3514



37.1808, 0.3275, 0.3076

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.



45.0880, 0.3422, 0.3234



45.0880, 0.3002, 0.3514



45.0880, 0.3042, 0.2980

Square

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



45.0880, 0.3002, 0.3514



45.0880, 0.2762, 0.3016



45.0880, 0.3246, 0.3081



45.0880, 0.3504, 0.3554

Rectangle

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



45.0880, 0.3002, 0.3514



45.0880, 0.2771, 0.3213



45.0880, 0.3246, 0.3081



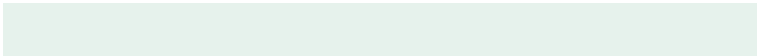
45.0880, 0.3497, 0.3349

Sweetspot

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



45.0899, 0.3002, 0.3514



86.5433, 0.3087, 0.3356



46.2920, 0.3243, 0.3701



18.9858, 0.3082, 0.3366



95.5105, 0.3127, 0.3290



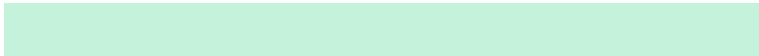
19.5994, 0.3127, 0.3290

Same Dimension

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



45.0899, 0.3002, 0.3514



80.4666, 0.2978, 0.3563



45.6909, 0.2893, 0.3303



10.1281, 0.3054, 0.3414



24.1030, 0.2748, 0.5093



0.8622, 0.2609, 0.4594

Inverse Universe

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



37.1808, 0.3275, 0.3076



63.7086, 0.3309, 0.3033



36.6363, 0.3419, 0.3277



9.0900, 0.3207, 0.3169



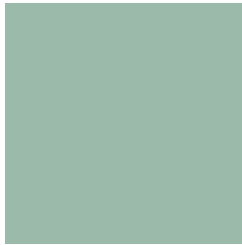
7.6456, 0.4795, 0.2415



0.2819, 0.4281, 0.2132

Previews

White Background



This preview shows how the Yxy color 45.0880, 0.3002, 0.3514 looks on a white background.

Color Contrast Check

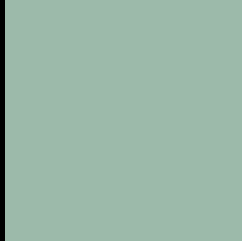
Large Text (above 18pt) WCAG AA × Fail

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 45.0880, 0.3002, 0.3514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

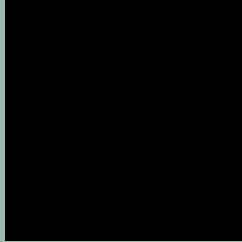
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

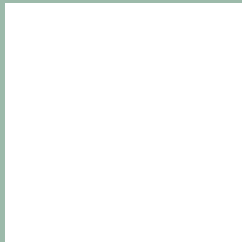
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0880, 0.3002, 0.3514

Background



This preview shows how black text looks on a background with the Yxy color 45.0880, 0.3002, 0.3514.



This preview shows how white text looks on a background with the Yxy color 45.0880, 0.3002, 0.3514.

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

45.0880, 0.3002, 0.3514

Protanopia

44.9083, 0.3288, 0.3449

Deuteranopia

44.9100, 0.3354, 0.3291



Tritanopia

45.0642, 0.2845, 0.3089

Trichromacy



Original Color

45.0880, 0.3002, 0.3514

Protanomaly

44.8364, 0.3179, 0.3480

Deuteranomaly

44.8866, 0.3220, 0.3369

Tritanomaly

44.8258, 0.2901, 0.3235

Monochromacy



Original Color

45.0880, 0.3002, 0.3514

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.5822, 0.3080, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0880, 0.3002, 0.3514 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, 186, 170)` looks like.

```
.text, #text, p{  
    color:rgb(156, 186, 170)  
}
```

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, 186, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 186, 170) }
```

Border

The CSS property to change the border of an element to Yxy 45.0880, 0.3002, 0.3514 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, 186, 170) }
```

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

```
.border{ border-color:rgb(156, 186, 170) }
```

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

Here you see how a box with a 4 pixel rgb(156, 186, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 186, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 186, 170);  
box-shadow:4px 4px 4px 4px rgb(156, 186,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0880, 0.3002, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 186, 170) }
```

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

```
.background{ background-color: rgb(156,  
186, 170) }
```

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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