

Converting Colors

$Yxy(45.0109, 0.3178, 0.3838)$

Have a look what the booklet for
Yxy(45.0109, 0.3178, 0.3838)
contains.

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Color

Yxy(44.9797, 0.3176, 0.3830)

Conversions

Conversions Part 1

Format	Color
Hex	9EBB95
RGB	158, 187, 149
RGB Percent	62%, 73%, 58%
CMY	0.3803, 0.2667, 0.4156
CMYK	0.16, 0.00, 0.20, 0.27
HSL	106°, 22%, 66%
HSV	106°, 20%, 73%
XYZ	37.2991, 44.9797, 35.1617
YIQ	173.9970, -5.0860, -17.9660

Conversions

Conversions Part 2

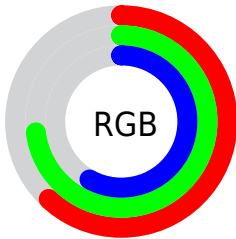
Format	Color
RYB	149, 187, 178
Decimal	10402709
CIELab	72.88, -17.03, 16.02
CIELCh	73, 23.386, 136.748
Yxy	44.9797, 0.3176, 0.3830
Android (android.graphics.Color)	4288592789 (0xFF9EBB95)
YUV	173.9970, -12.3235, -14.0294
Hunter-Lab	67.0669, -18.0948, 15.8624

Details

The Yxy color **44.9797, 0.3176, 0.3830** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.5593, 0.3063, 0.2780**, and the grayscale version is **42.3952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5591, 0.3172, 0.3726**, and **20.9962, 0.3182, 0.4007** is the 20% darker color. If you saturate the color by 10%, you get **43.0665, 0.3195, 0.4136**, and if you desaturate by 10%, it is **47.1608, 0.3153, 0.3550**.

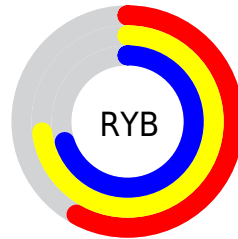
Distribution



Red (62%)

Green (73%)

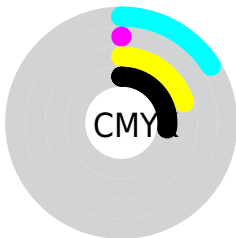
Blue (58%)



Red (58%)

Yellow (73%)

Blue (70%)

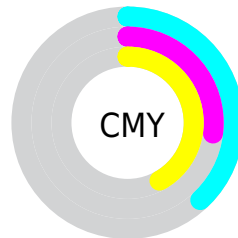


Cyan (16%)

Magenta (0%)

Yellow (20%)

Black (27%)



Cyan (38%)


Magenta (27%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9797, 0.3176, 0.3830 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 44.9797, 0.3176, 0.3830 by changing the saturation by 10% instead.


 44.9797, 0.3176,
0.3830

 44.9797, 0.3176,
0.3830


366.6913, 0.3156,
0.3550

 31.4414, 0.3180,
0.3903


 82.6899, 0.3170,
0.3726

 20.9352, 0.3183,
0.3998


 107.6307, 0.3167,
0.3688

 13.0767, 0.3186,
0.4129


137.1411, 0.3165,
0.3656

 7.4814, 0.3186,
0.4317

171.6055, 0.3162,
0.3628

 3.7649, 0.3177,
0.4611

211.4084, 0.3161,
0.3605

 1.5429, 0.3232,
0.5287

256.9340, 0.3159,

 0.3187, 0.0000,

0.3584

1.0000

308.5669, 0.3157,
0.3566

0.0000, 0.0000,
0.0000

44.9797, 0.3176,
0.3830

44.9797, 0.3176,
0.3830

43.0665, 0.3195,
0.4136

47.1608, 0.3153,
0.3550

41.4052, 0.3209,
0.4460

49.6139, 0.3128,
0.3297

39.9868, 0.3215,
0.4791

52.3500, 0.3102,
0.3073

38.7993, 0.3211,
0.5112

55.3779, 0.3077,
0.2875

37.8299, 0.3195,
0.5404

58.7060, 0.3052,
0.2702

■ 37.0643, 0.3168,
0.5645

■ 61.9346, 0.3072,
0.2606

■ 36.4864, 0.3131,
0.5819

■ 64.0205, 0.3158,
0.2624

■ 36.0812, 0.3092,
0.5927

Harmonies

Analogous

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



44.9797, 0.3494, 0.3877



44.9797, 0.3176, 0.3830



44.9797, 0.2856, 0.3611

Triad

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



44.9797, 0.3176, 0.3830



44.9797, 0.2559, 0.2808



44.9797, 0.3661, 0.3248

Complementary

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



44.9797, 0.3176, 0.3830



34.5593, 0.3063, 0.2780

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.



44.9797, 0.3386, 0.2996



44.9797, 0.3176, 0.3830



44.9797, 0.2751, 0.2747

Square

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



44.9797, 0.3176, 0.3830



44.9797, 0.2511, 0.3003



44.9797, 0.3050, 0.2817



44.9797, 0.3785, 0.3522

Rectangle

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



44.9797, 0.3176, 0.3830



44.9797, 0.2683, 0.3406



44.9797, 0.3050, 0.2817



44.9797, 0.3583, 0.3159

Sweetspot

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



44.9816, 0.3176, 0.3830



86.2533, 0.3143, 0.3440



44.3806, 0.3452, 0.3670



18.9319, 0.3144, 0.3457



95.5105, 0.3127, 0.3290



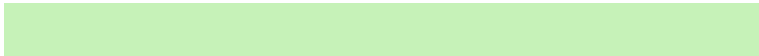
19.5994, 0.3127, 0.3290

Same Dimension

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



44.9816, 0.3176, 0.3830



79.1057, 0.3184, 0.3952



44.4195, 0.3031, 0.3700



10.7556, 0.3151, 0.3525



24.8886, 0.3098, 0.5922



1.0059, 0.3277, 0.5780

Inverse Universe

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



34.5593, 0.3063, 0.2780



57.3279, 0.3048, 0.2672



35.2637, 0.3240, 0.2912



9.5795, 0.3101, 0.3061



6.5154, 0.2624, 0.1219



0.2833, 0.2771, 0.1300

Previews

White Background



This preview shows how the Yxy color 44.9797, 0.3176, 0.3830 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 44.9797, 0.3176, 0.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

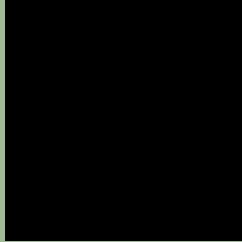
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9797, 0.3176, 0.3830

Background



This preview shows how black text looks on a background with the Yxy color 44.9797, 0.3176, 0.3830.



This preview shows how white text looks on a background with the Yxy color 44.9797, 0.3176, 0.3830.

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

44.9797, 0.3176, 0.3830

Protanopia

44.7039, 0.3504, 0.3728

Deuteranopia

44.7512, 0.3611, 0.3544



Tritanopia

44.9872, 0.2889, 0.3103

Trichromacy



Original Color

44.9797, 0.3176, 0.3830

Protanomaly

44.5880, 0.3386, 0.3768

Deuteranomaly

44.3700, 0.3445, 0.3636

Tritanomaly

44.7627, 0.2991, 0.3358

Monochromacy



Original Color

44.9797, 0.3176, 0.3830

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.2816, 0.3144, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9797, 0.3176, 0.3830 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(158, 187, 149)` looks like.

```
.text, #text, p{  
    color:rgb(158, 187, 149)  
}
```

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(158, 187, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 187, 149) }
```

Border

The CSS property to change the border of an element to Yxy 44.9797, 0.3176, 0.3830 is called "border". The border property can be set on classes, ids or directly on the HTML element.

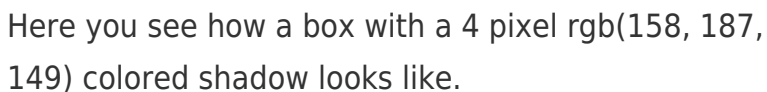
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 187, 149) }
```

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

```
.border{ border-color:rgb(158, 187, 149) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 187, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 187, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 187, 149); box-shadow:4px 4px 4px 4px rgb(158, 187, 149) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9797, 0.3176, 0.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 187, 149) }
```

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

```
.background{ background-color: rgb(158,  
187, 149) }
```

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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