

Converting Colors

$Y_{xy}(44.7070, 0.3210, 0.4040)$

Have a look what the booklet for
Yxy(44.7070, 0.3210, 0.4040)
contains.

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Color

Yxy(44.8767, 0.3213, 0.4043)

Conversions

Conversions Part 1

Format	Color
Hex	98BD89
RGB	152, 189, 137
RGB Percent	60%, 74%, 54%
CMY	0.4039, 0.2588, 0.4626
CMYK	0.20, 0.00, 0.28, 0.26
HSL	103°, 28%, 64%
HSV	103°, 28%, 74%
XYZ	35.6638, 44.8767, 30.4580
YIQ	172.0090, -5.3600, -24.0160

Conversions

Conversions Part 2

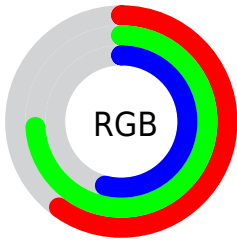
Format	Color
RYB	137, 189, 174
Decimal	10009993
CIELab	72.81, -22.17, 22.32
CIElCh	73, 31.460, 134.806
Yxy	44.8767, 0.3213, 0.4043
Android (android.graphics.Color)	4288200073 (0xFF98BD89)
YUV	172.0090, -17.2594, -17.5479
Hunter-Lab	66.9901, -22.2037, 19.9360

Details

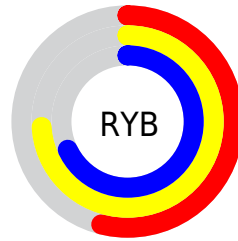
The Yxy color **44.8767, 0.3213, 0.4043** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.5737, 0.3008, 0.2584**, and the grayscale version is **41.3529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3318, 0.3202, 0.3889**, and **21.0058, 0.3219, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **43.1574, 0.3236, 0.4358**, and if you desaturate by 10%, it is **46.8422, 0.3184, 0.3747**.

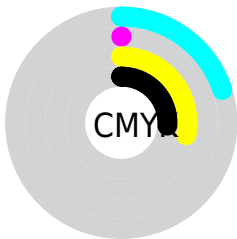
Distribution



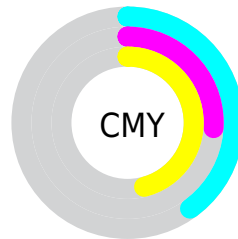
- Red (60%)
- Green (74%)
- Blue (54%)



- Red (54%)
- Yellow (74%)
- Blue (68%)



- Cyan (20%)
- Magenta (0%)
- Yellow (28%)
- Black (26%)



- Cyan (40%)
- Magenta (26%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8767, 0.3213, 0.4043 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 44.8767, 0.3213, 0.4043 by changing the saturation by 10% instead.


 44.8767, 0.3213,
0.4043


 44.8767, 0.3213,
0.4043


366.2740, 0.3178,
0.3650

 31.3603, 0.3219,
0.4146


 82.5354, 0.3203,
0.3896

 20.8734, 0.3224,
0.4282


 107.4464, 0.3198,
0.3842

 13.0315, 0.3226,
0.4467


 136.9245, 0.3194,
0.3797

 7.4502, 0.3222,
0.4734

171.3540, 0.3190,
0.3759

 3.7452, 0.3194,
0.5147

211.1193, 0.3187,
0.3726

 1.5321, 0.3449,
0.6551

256.6048, 0.3184,

 0.3112, 0.0000,

0.3697

1.0000

308.1949, 0.3181,
0.3672

0.0000, 0.0000,
0.0000

44.8767, 0.3213,
0.4043

44.8767, 0.3213,
0.4043

43.1574, 0.3236,
0.4358

46.8422, 0.3184,
0.3747

41.6685, 0.3252,
0.4683

49.0572, 0.3152,
0.3476

40.4015, 0.3256,
0.5003

51.5326, 0.3119,
0.3231

39.3449, 0.3247,
0.5299

54.2765, 0.3085,
0.3014

38.4860, 0.3224,
0.5552

57.2970, 0.3053,
0.2822

■ 37.8108, 0.3187,
0.5744

■ 60.6016, 0.3021,
0.2652

■ 37.3008, 0.3141,
0.5870

■ 63.2403, 0.3091,
0.2630

■ 37.1933, 0.3130,
0.5897

■ 64.8758, 0.3157,
0.2644

Harmonies

Analogous

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



44.8767, 0.3637, 0.4078



44.8767, 0.3213, 0.4043



44.8767, 0.2784, 0.3754

Triad

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



44.8767, 0.3213, 0.4043



44.8767, 0.2366, 0.2657



44.8767, 0.3830, 0.3203

Complementary

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



44.8767, 0.3213, 0.4043



30.5737, 0.3008, 0.2584

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.



44.8767, 0.3444, 0.2882



44.8767, 0.3213, 0.4043



44.8767, 0.2603, 0.2573

Square

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



44.8767, 0.3213, 0.4043



44.8767, 0.2316, 0.2918



44.8767, 0.2990, 0.2657



44.8767, 0.4013, 0.3562

Rectangle

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



44.8767, 0.3213, 0.4043



44.8767, 0.2553, 0.3470



44.8767, 0.2990, 0.2657



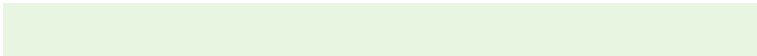
44.8767, 0.3718, 0.3089

Sweetspot

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



44.8786, 0.3213, 0.4043



87.5976, 0.3154, 0.3492



42.6699, 0.3587, 0.3777



18.7033, 0.3159, 0.3532



95.5105, 0.3127, 0.3290



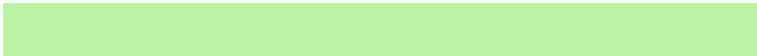
19.5994, 0.3127, 0.3290

Same Dimension

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



44.8786, 0.3213, 0.4043



78.4674, 0.3228, 0.4231



43.8361, 0.3017, 0.3910



10.7792, 0.3158, 0.3524



25.0587, 0.3138, 0.5890



1.0161, 0.3331, 0.5737

Inverse Universe

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



30.5737, 0.3008, 0.2584



48.5904, 0.2974, 0.2420



31.9562, 0.3262, 0.2741



9.5544, 0.3093, 0.3061



5.9519, 0.2499, 0.1150



0.2649, 0.2676, 0.1248

Previews

White Background



This preview shows how the Yxy color 44.8767, 0.3213, 0.4043 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 44.8767, 0.3213, 0.4043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

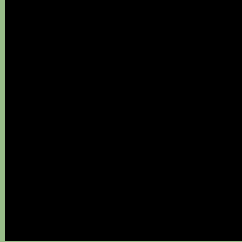
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8767, 0.3213, 0.4043

Background



This preview shows how black text looks on a background with the Yxy color 44.8767, 0.3213, 0.4043.



This preview shows how white text looks on a background with the Yxy color 44.8767, 0.3213, 0.4043.

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

44.8767, 0.3213, 0.4043

Protanopia

44.5831, 0.3634, 0.3897

Deuteranopia

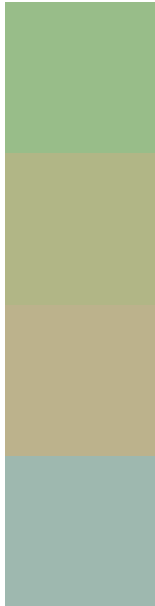
44.4588, 0.3744, 0.3667



Tritanopia

44.6103, 0.2851, 0.3088

Trichromacy



Original Color

44.8767, 0.3213, 0.4043

Protanomaly

44.5242, 0.3473, 0.3948

Deuteranomaly

44.4256, 0.3537, 0.3796

Tritanomaly

44.6452, 0.2981, 0.3415

Monochromacy



Original Color

44.8767, 0.3213, 0.4043

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.3433, 0.3167, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8767, 0.3213, 0.4043 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(152, 189, 137)` looks like.

```
.text, #text, p{  
    color:rgb(152, 189, 137)  
}
```

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(152, 189, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 189, 137) }
```

Border

The CSS property to change the border of an element to Yxy 44.8767, 0.3213, 0.4043 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(152, 189, 137) }
```

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

```
.border{ border-color:rgb(152, 189, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 189, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 189, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 189, 137);  
box-shadow:4px 4px 4px 4px rgb(152, 189,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8767, 0.3213, 0.4043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 189, 137) }
```

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

```
.background{ background-color: rgb(152,  
189, 137) }
```

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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