

Converting Colors

$Yxy(41.1685, 0.3050, 0.3898)$

Have a look what the booklet for
Yxy(41.1685, 0.3050, 0.3898)
contains.

Yxy(41.1685, 0.3050, 0.3898)	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(41.1685, 0.3050, 0.3898)

Conversions

Conversions Part 1

Format	Color
Hex	89B78F
RGB	137, 183, 143
RGB Percent	54%, 72%, 56%
CMY	0.4626, 0.2824, 0.4392
CMYK	0.25, 0.00, 0.22, 0.28
HSL	128°, 24%, 63%
HSV	128°, 25%, 72%
XYZ	32.2124, 41.1685, 32.2335
YIQ	164.6860, -14.5760, -22.1920

Conversions

Conversions Part 2

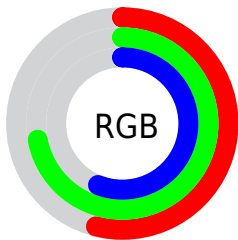
Format	Color
RYB	137, 178, 183
Decimal	9025423
CIELab	70.29, -23.35, 15.49
CIElCh	70, 28.022, 146.447
Yxy	41.1685, 0.3050, 0.3898
Android (android.graphics.Color)	4287215503 (0xFF89B78F)
YUV	164.6860, -10.6912, -24.2806
Hunter-Lab	64.1627, -22.6701, 15.1283

Details

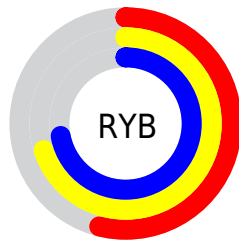
The Yxy color **41.1685, 0.3050, 0.3898** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.1453, 0.3215, 0.2750**, and the grayscale version is **37.5302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8406, 0.3066, 0.3773**, and **18.7340, 0.3014, 0.4093** is the 20% darker color. If you saturate the color by 10%, you get **39.3031, 0.3020, 0.4188**, and if you desaturate by 10%, it is **43.3682, 0.3081, 0.3634**.

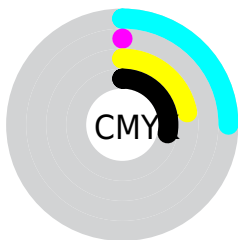
Distribution



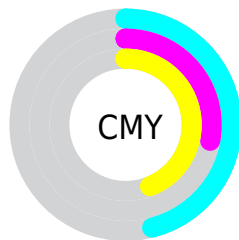
- Red (54%)
- Green (72%)
- Blue (56%)



- Red (54%)
- Yellow (70%)
- Blue (72%)



- Cyan (25%)
- Magenta (0%)
- Yellow (22%)
- Black (28%)





- Cyan (46%)
- Magenta (28%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1685, 0.3050, 0.3898 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 41.1685, 0.3050, 0.3898 by changing the saturation by 10% instead.

 41.1685, 0.3050,
0.3898


 41.1685, 0.3050,
0.3898


351.0244, 0.3095,
0.3576


 28.4508, 0.3036,
0.3984


 76.9396, 0.3068,
0.3777

 18.6657, 0.3017,
0.4099


 100.7618, 0.3074,
0.3732

 11.4290, 0.2988,
0.4259


 129.0542, 0.3080,
0.3696

 6.3562, 0.2942,
0.4496

162.2014, 0.3084,
0.3664

 3.0628, 0.2856,
0.4880

200.5875, 0.3087,
0.3638

 1.1646, 0.2795,
0.6344

244.5972, 0.3090,

 0.0325, 0.0000,

0.3614

1.0000

294.6146, 0.3093,
0.3594

0.0000, 0.0000,
0.0000

41.1685, 0.3050,
0.3898

41.1685, 0.3050,
0.3898

39.3031, 0.3020,
0.4188

43.3682, 0.3081,
0.3634

37.7508, 0.2993,
0.4499

45.9120, 0.3112,
0.3399

36.4957, 0.2971,
0.4819

48.8158, 0.3142,
0.3193

35.5188, 0.2956,
0.5132

52.0927, 0.3170,
0.3013

34.7986, 0.2950,
0.5419

55.7555, 0.3196,
0.2857

■ 34.3105, 0.2954,
0.5658

■ 59.8161, 0.3220,
0.2723

■ 34.0247, 0.2967,
0.5835

■ 62.3125, 0.3164,
0.2589

■ 33.9302, 0.2972,
0.5899

■ 62.3454, 0.3160,
0.2585

Harmonies

Analogous

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



41.1685, 0.3454, 0.4026



41.1685, 0.3050, 0.3898



41.1685, 0.2682, 0.3568

Triad

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



41.1685, 0.3050, 0.3898



41.1685, 0.2491, 0.2658



41.1685, 0.3862, 0.3341

Complementary

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



41.1685, 0.3050, 0.3898



31.1453, 0.3215, 0.2750

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.



41.1685, 0.3570, 0.3022



41.1685, 0.3050, 0.3898



41.1685, 0.2771, 0.2641

Square

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



41.1685, 0.3050, 0.3898



41.1685, 0.2375, 0.2839



41.1685, 0.3164, 0.2773



41.1685, 0.3940, 0.3668

Rectangle

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



41.1685, 0.3050, 0.3898



41.1685, 0.2504, 0.3299



41.1685, 0.3164, 0.2773



41.1685, 0.3785, 0.3230

Sweetspot

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



41.1702, 0.3050, 0.3898



80.7893, 0.3103, 0.3467



45.0945, 0.3451, 0.3917



17.6897, 0.3098, 0.3502



93.3107, 0.3127, 0.3290



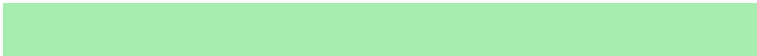
18.7317, 0.3127, 0.3290

Same Dimension

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



41.1702, 0.3050, 0.3898



71.8669, 0.3034, 0.4051



41.9176, 0.2887, 0.3550



10.0786, 0.3099, 0.3495



23.6773, 0.2968, 0.5886



0.8409, 0.2869, 0.5529

Inverse Universe

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



31.1453, 0.3215, 0.2750



50.9020, 0.3237, 0.2632



30.3245, 0.3451, 0.3045



9.1422, 0.3157, 0.3093



8.7832, 0.3561, 0.1735



0.3153, 0.3458, 0.1679

Previews

White Background



This preview shows how the Yxy color 41.1685, 0.3050, 0.3898 looks on a white background.

Color Contrast Check

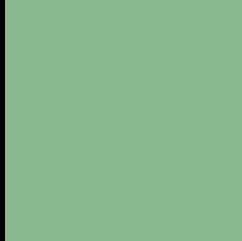
Large Text (above 18pt) WCAG AA × Fail

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 41.1685, 0.3050, 0.3898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

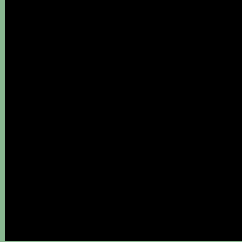
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.1685, 0.3050, 0.3898

Background



This preview shows how black text looks on a background with the Yxy color 41.1685, 0.3050, 0.3898.



This preview shows how white text looks on a background with the Yxy color 41.1685, 0.3050, 0.3898.

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

41.1685, 0.3050, 0.3898

Protanopia

40.8770, 0.3527, 0.3758

Deuteranopia

40.8872, 0.3601, 0.3527



Tritanopia

41.3169, 0.2768, 0.3092

Trichromacy



Original Color

41.1685, 0.3050, 0.3898

Protanomaly

40.6310, 0.3346, 0.3807

Deuteranomaly

40.6943, 0.3378, 0.3654

Tritanomaly

41.1358, 0.2868, 0.3362

Monochromacy



Original Color

41.1685, 0.3050, 0.3898

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.9079, 0.3099, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1685, 0.3050, 0.3898 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(137, 183, 143)` looks like.

```
.text, #text, p{  
    color:rgb(137, 183, 143)  
}
```

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(137, 183, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 183, 143) }
```

Border

The CSS property to change the border of an element to Yxy 41.1685, 0.3050, 0.3898 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(137, 183, 143) }
```

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

```
.border{ border-color:rgb(137, 183, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 183, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 183, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 183, 143);  
box-shadow:4px 4px 4px 4px rgb(137, 183,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1685, 0.3050, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 183, 143) }
```

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

```
.background{ background-color: rgb(137,  
183, 143) }
```

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