

Converting Colors

$Yxy(40.6342, 0.3104, 0.3996)$

Have a look what the booklet for
Yxy(40.6342, 0.3104, 0.3996)
contains.

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Color

Yxy(40.5518, 0.3102, 0.3995)

Conversions

Conversions Part 1

Format	Color
Hex	89B688
RGB	137, 182, 136
RGB Percent	54%, 71%, 53%
CMY	0.4628, 0.2863, 0.4666
CMYK	0.25, 0.00, 0.25, 0.29
HSL	119°, 24%, 62%
HSV	119°, 25%, 71%
XYZ	31.4873, 40.5518, 29.4673
YIQ	163.3010, -12.0540, -23.8460

Conversions

Conversions Part 2

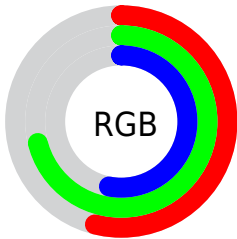
Format	Color
RYB	136, 182, 181
Decimal	9025160
CIELab	69.86, -24.12, 18.67
CIELCh	70, 30.502, 142.262
Yxy	40.5518, 0.3102, 0.3995
Android (android.graphics.Color)	4287215240 (0xFF89B688)
YUV	163.3010, -13.4594, -23.0660
Hunter-Lab	63.6803, -23.1796, 17.1405

Details

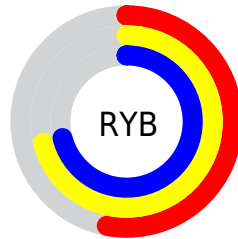
The Yxy color **40.5518, 0.3102, 0.3995** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.8208, 0.3146, 0.2670**, and the grayscale version is **36.8445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8996, 0.3113, 0.3858**, and **18.3508, 0.3083, 0.4232** is the 20% darker color. If you saturate the color by 10%, you get **38.6957, 0.3089, 0.4328**, and if you desaturate by 10%, it is **42.7480, 0.3113, 0.3691**.

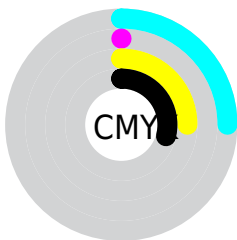
Distribution



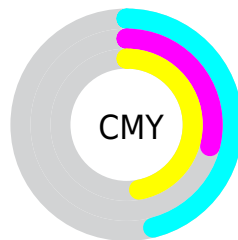
- Red (54%)
- Green (71%)
- Blue (53%)



- Red (53%)
- Yellow (71%)
- Blue (71%)



- Cyan (25%)
- Magenta (0%)
- Yellow (25%)
- Black (29%)





- Cyan (46%)
- Magenta (29%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5518, 0.3102, 0.3995 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 40.5518, 0.3102, 0.3995 by changing the saturation by 10% instead.


 40.5518, 0.3102,
0.3995


 40.5518, 0.3102,
0.3995


348.4439, 0.3123,
0.3620


 27.9690, 0.3094,
0.4096


 76.0030, 0.3112,
0.3853

 18.3023, 0.3081,
0.4231


 99.6403, 0.3115,
0.3802

 11.1673, 0.3060,
0.4419


 127.7312, 0.3117,
0.3759

 6.1794, 0.3022,
0.4698

160.6601, 0.3119,
0.3722

 2.9545, 0.2942,
0.5150

198.8115, 0.3120,
0.3691

 1.1080, 0.2882,
0.7118


242.5696, 0.3121,


 0.0000, 0.0000,

0.3664

0.0000


292.3189, 0.3122,
0.3641

 40.5518, 0.3102,
0.3995


 40.5518, 0.3102,
0.3995


 38.6957, 0.3089,
0.4328

 42.7480, 0.3113,
0.3691


 37.1578, 0.3074,
0.4679


 45.2945, 0.3123,
0.3419


 35.9217, 0.3059,
0.5030

 48.2076, 0.3131,
0.3182

 34.9678, 0.3043,
0.5358

 51.5010, 0.3137,
0.2975

 34.2736, 0.3028,
0.5635

 55.1877, 0.3143,
0.2798

■ 33.8137, 0.3016,
0.5839

■ 59.2801, 0.3147,
0.2645

■ 33.5573, 0.3006,
0.5958

■ 61.9384, 0.3161,
0.2575

■ 33.4830, 0.3005,
0.5996

Harmonies

Analogous

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



40.5518, 0.3540, 0.4096



40.5518, 0.3102, 0.3995



40.5518, 0.2690, 0.3654

Triad

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



40.5518, 0.3102, 0.3995



40.5518, 0.2406, 0.2618



40.5518, 0.3900, 0.3291

Complementary

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



40.5518, 0.3102, 0.3995



30.8208, 0.3146, 0.2670

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.



40.5518, 0.3554, 0.2954



40.5518, 0.3102, 0.3995



40.5518, 0.2686, 0.2577

Square

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



40.5518, 0.3102, 0.3995



40.5518, 0.2308, 0.2836



40.5518, 0.3102, 0.2700



40.5518, 0.4020, 0.3649

Rectangle

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



40.5518, 0.3102, 0.3995



40.5518, 0.2482, 0.3359



40.5518, 0.3102, 0.2700



40.5518, 0.3805, 0.3173

Sweetspot

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



40.5535, 0.3102, 0.3995



80.7208, 0.3120, 0.3494



44.5580, 0.3507, 0.3892



17.6721, 0.3119, 0.3534



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.



40.5535, 0.3102, 0.3995



71.6780, 0.3095, 0.4166



41.1452, 0.2935, 0.3658



10.0688, 0.3119, 0.3526



23.6472, 0.3005, 0.5996



0.8367, 0.3028, 0.5978

Inverse Universe

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



30.8208, 0.3146, 0.2670



51.1723, 0.3150, 0.2541



30.1172, 0.3378, 0.2949



9.1529, 0.3134, 0.3065



9.0889, 0.3158, 0.1513



0.3235, 0.3172, 0.1521

Previews

White Background



This preview shows how the Yxy color 40.5518, 0.3102, 0.3995 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 40.5518, 0.3102, 0.3995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

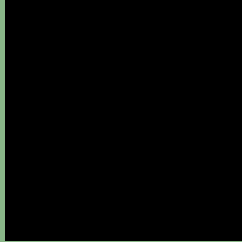
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5518, 0.3102, 0.3995

Background



This preview shows how black text looks on a background with the Yxy color 40.5518, 0.3102, 0.3995.



This preview shows how white text looks on a background with the Yxy color 40.5518, 0.3102, 0.3995.

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

40.5518, 0.3102, 0.3995

Protanopia

40.3062, 0.3593, 0.3842

Deuteranopia

40.3147, 0.3671, 0.3607



Tritanopia

40.4451, 0.2780, 0.3091

Trichromacy



Original Color

40.5518, 0.3102, 0.3995

Protanomaly

40.0450, 0.3408, 0.3896

Deuteranomaly

40.1039, 0.3441, 0.3740

Tritanomaly

40.5827, 0.2896, 0.3407

Monochromacy



Original Color

40.5518, 0.3102, 0.3995

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.9194, 0.3124, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5518, 0.3102, 0.3995 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, 182, 136)` looks like.

```
.text, #text, p{  
    color:rgb(137, 182, 136)  
}
```

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, 182, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 182, 136) }
```

Border

The CSS property to change the border of an element to Yxy 40.5518, 0.3102, 0.3995 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, 182, 136) }
```

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

```
.border{ border-color:rgb(137, 182, 136) }
```

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

Here you see how a box with a 4 pixel rgb(137, 182, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 182, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 182, 136);  
box-shadow:4px 4px 4px 4px rgb(137, 182,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5518, 0.3102, 0.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 182, 136) }
```

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

```
.background{ background-color: rgb(137,  
182, 136) }
```

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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