

Converting Colors

$Y_{xy}(40.1156, 0.3243, 0.4194)$

Have a look what the booklet for
Yxy(40.1156, 0.3243, 0.4194)
contains.

Yxy(40.1156, 0.3243, 0.4194)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.1156, 0.3243, 0.4194)

Conversions

Conversions Part 1

Format	Color
Hex	8DB57A
RGB	141, 181, 122
RGB Percent	55%, 71%, 48%
CMY	0.4471, 0.2902, 0.5216
CMYK	0.22, 0.00, 0.33, 0.29
HSL	101°, 29%, 59%
HSV	101°, 33%, 71%
XYZ	31.0193, 40.1156, 24.5151
YIQ	162.3140, -4.9010, -26.8290

Conversions

Conversions Part 2

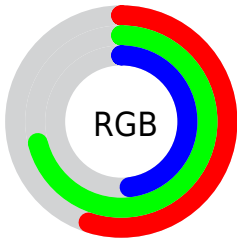
Format	Color
RYB	122, 181, 162
Decimal	9287034
CIELab	69.55, -24.51, 25.83
CIElCh	70, 35.611, 133.499
Yxy	40.1156, 0.3243, 0.4194
Android (android.graphics.Color)	4287477114 (0xFF8DB57A)
YUV	162.3140, -19.8748, -18.6924
Hunter-Lab	63.3369, -23.4190, 21.3871

Details

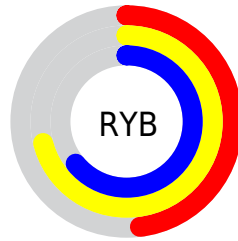
The Yxy color **40.1156, 0.3243, 0.4194** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **24.9333, 0.2959, 0.2443**, and the grayscale version is **36.3824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2656, 0.3225, 0.4010**, and **18.0432, 0.3246, 0.4490** is the 20% darker color. If you saturate the color by 10%, you get **38.6929, 0.3268, 0.4511**, and if you desaturate by 10%, it is **41.7445, 0.3211, 0.3891**.

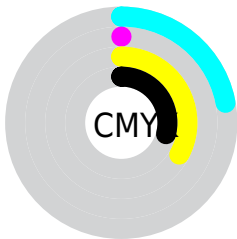
Distribution



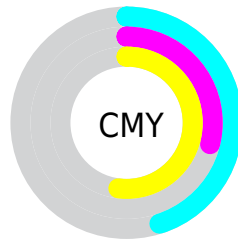
- Red (55%)
- Green (71%)
- Blue (48%)



- Red (48%)
- Yellow (71%)
- Blue (64%)



- Cyan (22%)
- Magenta (0%)
- Yellow (33%)
- Black (29%)





- Cyan (45%)
- Magenta (29%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.1156, 0.3243, 0.4194 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 40.1156, 0.3243, 0.4194 by changing the saturation by 10% instead.


 40.1156, 0.3243,
0.4194


 40.1156, 0.3243,
0.4194


346.6106, 0.3196,
0.3712


 27.6287, 0.3250,
0.4324


 75.3395, 0.3229,
0.4011

 18.0459, 0.3255,
0.4497


 98.8453, 0.3223,
0.3945

 10.9830, 0.3256,
0.4736


 126.7928, 0.3217,
0.3890

 6.0554, 0.3240,
0.5086

159.5665, 0.3212,
0.3843

 2.8788, 0.3211,
0.5699

197.5507, 0.3207,
0.3803

 1.0688, 0.2756,
0.7244

241.1299, 0.3203,

 0.0000, 0.0000,

0.3769

0.0000

290.6884, 0.3199,
0.3738

■ 40.1156, 0.3243,
0.4194

■ 40.1156, 0.3243,
0.4194

■ 38.6929, 0.3268,
0.4511

■ 41.7445, 0.3211,
0.3891

■ 37.4628, 0.3282,
0.4830

■ 43.5825, 0.3175,
0.3609

■ 36.4177, 0.3283,
0.5135


■ 45.6387, 0.3137,
0.3353


■ 35.5477, 0.3270,
0.5407

■ 47.9203, 0.3099,
0.3122

■ 34.8416, 0.3240,
0.5629


■ 50.4342, 0.3061,
0.2917


 34.2867, 0.3197,
0.5788

 53.1868, 0.3024,
0.2735

 33.9588, 0.3162,
0.5871

 56.1844, 0.2989,
0.2575

 58.6501, 0.3039,
0.2538

 60.8611, 0.3134,
0.2559

Harmonies

Analogous

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



40.1156, 0.3737, 0.4210



40.1156, 0.3243, 0.4194



40.1156, 0.2742, 0.3861

Triad

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



40.1156, 0.3243, 0.4194



40.1156, 0.2237, 0.2559



40.1156, 0.3938, 0.3165

Complementary

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



40.1156, 0.3243, 0.4194



24.9333, 0.2959, 0.2443

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.



40.1156, 0.3474, 0.2803



40.1156, 0.3243, 0.4194



40.1156, 0.2499, 0.2459

Square

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



40.1156, 0.3243, 0.4194



40.1156, 0.2189, 0.2864



40.1156, 0.2941, 0.2551



40.1156, 0.4165, 0.3577

Rectangle

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



40.1156, 0.3243, 0.4194



40.1156, 0.2470, 0.3522



40.1156, 0.2941, 0.2551



40.1156, 0.3803, 0.3036

Sweetspot

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



40.1173, 0.3243, 0.4194



78.9108, 0.3166, 0.3544



36.8356, 0.3690, 0.3843



16.9493, 0.3171, 0.3581



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.1173, 0.3243, 0.4194



70.0095, 0.3261, 0.4416



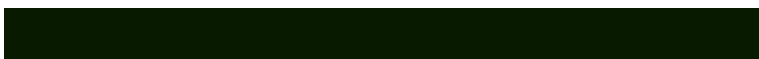
38.8481, 0.3012, 0.4076



9.6185, 0.3163, 0.3522



23.4422, 0.3170, 0.5865



0.7698, 0.3403, 0.5680

Inverse Universe

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



24.9333, 0.2959, 0.2443



38.6503, 0.2910, 0.2250



26.6867, 0.3270, 0.2614



8.5068, 0.3088, 0.3062



5.2268, 0.2421, 0.1107



0.1942, 0.2649, 0.1233

Previews

White Background



This preview shows how the Yxy color 40.1156, 0.3243, 0.4194 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 40.1156, 0.3243, 0.4194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

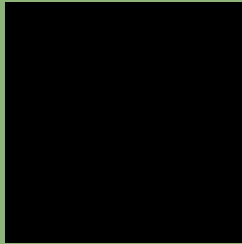
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1156, 0.3243, 0.4194

Background



This preview shows how black text looks on a background with the Yxy color 40.1156, 0.3243, 0.4194.



This preview shows how white text looks on a background with the Yxy color 40.1156, 0.3243, 0.4194.

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

40.1156, 0.3243, 0.4194

Protanopia

39.7276, 0.3722, 0.4005

Deuteranopia

39.6264, 0.3844, 0.3760



Tritanopia

40.0543, 0.2831, 0.3092

Trichromacy



Original Color

40.1156, 0.3243, 0.4194

Protanomaly

39.5439, 0.3540, 0.4067

Deuteranomaly

39.4403, 0.3611, 0.3905

Tritanomaly

39.8981, 0.2981, 0.3481

Monochromacy



Original Color

40.1156, 0.3243, 0.4194

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.3525, 0.3176, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1156, 0.3243, 0.4194 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(141, 181, 122)` looks like.

```
.text, #text, p{  
    color:rgb(141, 181, 122)  
}
```

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(141, 181, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 181, 122) }
```

Border

The CSS property to change the border of an element to Yxy 40.1156, 0.3243, 0.4194 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(141, 181, 122) }
```

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

```
.border{ border-color:rgb(141, 181, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 181, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 181, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 181, 122);  
box-shadow:4px 4px 4px 4px rgb(141, 181,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1156, 0.3243, 0.4194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 181, 122) }
```

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

```
.background{ background-color: rgb(141,  
181, 122) }
```

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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