

Converting Colors

$Y_{xy}(19.9567, 0.3139, 0.3030)$

Have a look what the booklet for
Yxy(19.9567, 0.3139, 0.3030)
contains.

Yxy(19.9832, 0.3140, 0.3026)	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(19.9832, 0.3140, 0.3026)

Conversions

Conversions Part 1

Format	Color
Hex	867786
RGB	134, 119, 134
RGB Percent	53%, 47%, 53%
CMY	0.4744, 0.5334, 0.4745
CMYK	0.00, 0.11, 0.00, 0.47
HSL	300°, 6%, 50%
HSV	300°, 11%, 53%
XYZ	20.7360, 19.9832, 25.3191
YIQ	125.1950, 4.1250, 7.8450

Conversions

Conversions Part 2

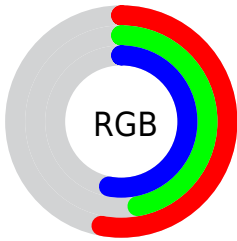
Format	Color
R_{YB}	134, 119, 134
Decimal	8812422
CIE Lab	51.82, 8.68, -6.06
CIE LCh	52, 10.585, 325.082
Yxy	19.9832, 0.3140, 0.3026
Android (android.graphics.Color)	4287002502 (0xFF867786)
YUV	125.1950, 4.3409, 7.7220
Hunter-Lab	44.7026, 4.5707, -2.2895

Details

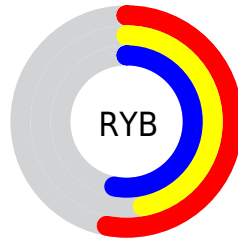
The Yxy color $19.9832, 0.3140, 0.3026$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $22.3148, 0.3114, 0.3569$, and the grayscale version is $20.5631, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.2785, 0.3137, 0.3084$, and $7.0314, 0.3143, 0.2943$ is the 20% darker color. If you saturate the color by 10%, you get $17.0148, 0.3152, 0.2786$, and if you desaturate by 10%, it is $23.4033, 0.3129, 0.3262$.

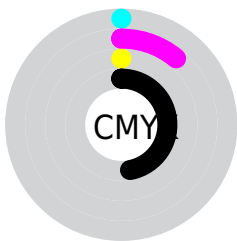
Distribution



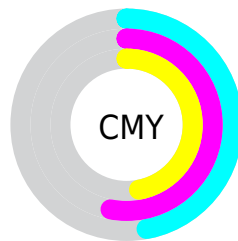
- Red (53%)
- Green (47%)
- Blue (53%)



- Red (53%)
- Yellow (47%)
- Blue (53%)



- Cyan (0%)
- Magenta (11%)
- Yellow (0%)
- Black (47%)




- Cyan (47%)
- Magenta (53%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9832, 0.3140, 0.3026 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 19.9832, 0.3140, 0.3026 by changing the saturation by 10% instead.


 19.9832, 0.3140,
0.3026


 19.9832, 0.3140,
0.3026


251.8242, 0.3134,
0.3174


 12.3828, 0.3141,
0.2982


 43.3890, 0.3138,
0.3084

 7.0050, 0.3143,
0.2922


 59.9633, 0.3137,
0.3105

 3.4652, 0.3144,
0.2831

 80.2976, 0.3136,
0.3122

 1.3792, 0.3144,
0.2682

104.7764, 0.3136,
0.3136

 0.2013, 0.3233,
0.1614

133.7840, 0.3135,
0.3147

 0.0000, 0.0000,
0.0000

167.7049, 0.3135,

0.3158

206.9235, 0.3134,
0.3166

■ 19.9832, 0.3140,
0.3026

■ 19.9832, 0.3140,
0.3026

■ 17.0148, 0.3152,
0.2786

■ 23.4033, 0.3129,
0.3262

■ 14.4769, 0.3163,
0.2547

■ 27.2901, 0.3118,
0.3488

■ 12.3501, 0.3175,
0.2318

■ 31.6612, 0.3107,
0.3701

■ 10.6129, 0.3185,
0.2107

■ 36.5325, 0.3098,
0.3900

■ 9.2416, 0.3195,
0.1923

■ 41.9192, 0.3089,
0.4083

■ 8.2101, 0.3202,
0.1772

■ 47.8356, 0.3081,
0.4250

■ 7.4887, 0.3208,
0.1660

■ 54.2958, 0.3074,
0.4403

■ 7.0427, 0.3213,
0.1588

■ 61.3132, 0.3067,
0.4541

■ 6.7848, 0.3215,
0.1545

■ 68.9007, 0.3061,
0.4665

Harmonies

Analogous

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



19.9832, 0.2949, 0.2964



19.9832, 0.3140, 0.3026



19.9832, 0.3333, 0.3153

Triad

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



19.9832, 0.3140, 0.3026



19.9832, 0.3452, 0.3598



19.9832, 0.2793, 0.3248

Complementary

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



19.9832, 0.3140, 0.3026



22.3148, 0.3114, 0.3569

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.



19.9832, 0.2920, 0.3431



19.9832, 0.3140, 0.3026



19.9832, 0.3300, 0.3637

Square

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



19.9832, 0.3140, 0.3026



19.9832, 0.3516, 0.3479



19.9832, 0.3105, 0.3576



19.9832, 0.2753, 0.3084

Rectangle

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



19.9832, 0.3140, 0.3026



19.9832, 0.3435, 0.3260



19.9832, 0.3105, 0.3576



19.9832, 0.2827, 0.3309

Sweetspot

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



19.9841, 0.3140, 0.3026



40.0405, 0.3131, 0.3219



18.8347, 0.2958, 0.3010



8.9170, 0.3131, 0.3202



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.9841, 0.3140, 0.3026



34.0479, 0.3142, 0.2977



19.7824, 0.3228, 0.3156



4.7627, 0.3138, 0.3076



6.3543, 0.3215, 0.1545



0.0220, 0.3212, 0.1543

Inverse Universe

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



19.9841, 0.3140, 0.3026



34.0479, 0.3142, 0.2977



22.5019, 0.3037, 0.3428



4.7627, 0.3138, 0.3076



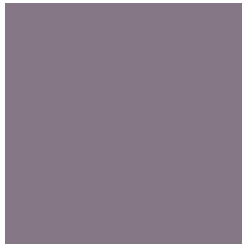
6.3543, 0.3215, 0.1545



0.0220, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 19.9832, 0.3140, 0.3026 looks on a white background.

Color Contrast Check

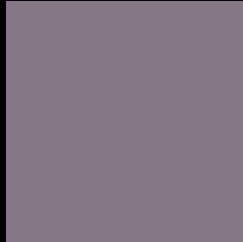
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9832, 0.3140, 0.3026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

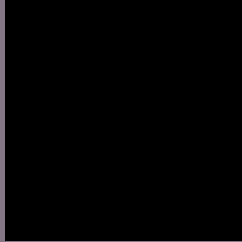
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9832, 0.3140, 0.3026

Background



This preview shows how black text looks on a background with the Yxy color 19.9832, 0.3140, 0.3026.



This preview shows how white text looks on a background with the Yxy color 19.9832, 0.3140, 0.3026.

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

19.9832, 0.3140, 0.3026

Protanopia

20.0811, 0.2973, 0.3053

Deuteranopia

19.9795, 0.3102, 0.3041



Tritanopia

20.0045, 0.3184, 0.3130

Trichromacy



Original Color

19.9832, 0.3140, 0.3026

Protanomaly

20.1040, 0.3030, 0.3056

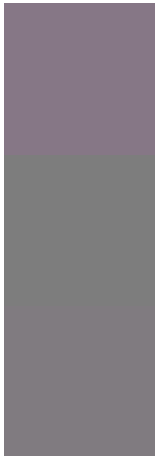
Deuteranomaly

20.0597, 0.3114, 0.3042

Tritanomaly

20.0582, 0.3161, 0.3095

Monochromacy



Original Color

19.9832, 0.3140, 0.3026

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3136, 0.3131, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9832, 0.3140, 0.3026 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(134, 119, 134)` looks like.

```
.text, #text, p{  
    color:rgb(134, 119, 134)  
}
```

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(134, 119, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 119, 134) }
```

Border

The CSS property to change the border of an element to Yxy 19.9832, 0.3140, 0.3026 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(134, 119, 134) }
```

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

```
.border{ border-color:rgb(134, 119, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 119, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 119, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 119, 134);  
box-shadow:4px 4px 4px 4px rgb(134, 119,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9832, 0.3140, 0.3026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 119, 134) }
```

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

```
.background{ background-color: rgb(134,  
119, 134) }
```

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