

Converting Colors

Yxy(31.9083, 0.3497, 0.3800)

Have a look what the booklet for
Yxy(31.9083, 0.3497, 0.3800)
contains.

Yxy(31.8626, 0.3494, 0.3799)	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(31.8626, 0.3494, 0.3799)

Conversions

Conversions Part 1

Format	Color
Hex	9F9A79
RGB	159, 154, 121
RGB Percent	62%, 60%, 47%
CMY	0.3765, 0.3961, 0.5254
CMYK	0.00, 0.03, 0.24, 0.38
HSL	52°, 17%, 55%
HSV	52°, 24%, 62%
XYZ	29.3045, 31.8626, 22.7039
YIQ	151.7330, 13.5730, -9.2030

Conversions

Conversions Part 2

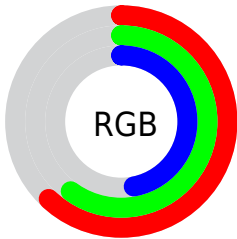
Format	Color
RYB	127, 159, 121
Decimal	10459769
CIELab	63.23, -3.72, 18.00
CIELCh	63, 18.385, 101.686
Yxy	31.8626, 0.3494, 0.3799
Android (android.graphics.Color)	4288649849 (0xFF9F9A79)
YUV	151.7330, -15.1514, 6.3732
Hunter-Lab	56.4470, -6.1136, 15.6655

Details

The Yxy color **31.8626, 0.3494, 0.3799** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.4949, 0.2738, 0.2724**, and the grayscale version is **31.3413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4250, 0.3426, 0.3698**, and **13.2942, 0.3614, 0.3976** is the 20% darker color. If you saturate the color by 10%, you get **30.8224, 0.3657, 0.4015**, and if you desaturate by 10%, it is **32.9819, 0.3335, 0.3582**.

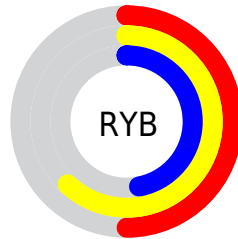
Distribution



Red (62%)

Green (60%)

Blue (47%)



Red (50%)

Yellow (62%)

Blue (47%)

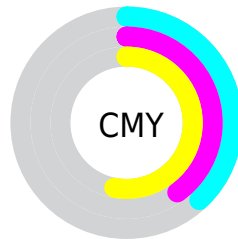


Cyan (0%)

Magenta (3%)

Yellow (24%)

Black (38%)



Cyan (38%)


Magenta (40%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8626, 0.3494, 0.3799 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 31.8626, 0.3494, 0.3799 by changing the saturation by 10% instead.


 31.8626, 0.3494,
0.3799


 31.8626, 0.3494,
0.3799


310.4929, 0.3301,
0.3527

 21.2566, 0.3545,
0.3873


 62.5956, 0.3422,
0.3696

 13.3117, 0.3612,
0.3971


 83.4914, 0.3395,
0.3658

 7.6435, 0.3703,
0.4109


 108.5859, 0.3373,
0.3627

 3.8677, 0.3833,
0.4312

138.2635, 0.3354,
0.3601

 1.5998, 0.4179,
0.4811

172.9086, 0.3338,
0.3578

 0.3575, 0.4104,
0.5896

212.9056, 0.3324,

 0.0000, 0.0000,

0.3559

0.0000

258.6389, 0.3312,
0.3542

■ 31.8626, 0.3494,
0.3799

■ 31.8626, 0.3494,
0.3799

■ 30.8224, 0.3657,
0.4015

■ 32.9819, 0.3335,
0.3582

■ 29.8539, 0.3818,
0.4224

■ 34.1791, 0.3184,
0.3370

■ 28.9549, 0.3973,
0.4414

■ 35.4583, 0.3041,
0.3167

■ 28.1218, 0.4115,
0.4579

■ 36.8223, 0.2909,
0.2976

■ 27.3502, 0.4237,
0.4708

■ 38.2735, 0.2789,
0.2799

■ 26.6352, 0.4335,
0.4796

■ 39.8144, 0.2679,
0.2635

■ 25.9712, 0.4406,
0.4840

■ 41.4473, 0.2580,
0.2485

■ 25.5805, 0.4442,
0.4855

■ 43.1743, 0.2490,
0.2348

■ 44.3962, 0.2457,
0.2308

Harmonies

Analogous

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



31.8626, 0.3672, 0.3674



31.8626, 0.3494, 0.3799



31.8626, 0.3222, 0.3782

Triad

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



31.8626, 0.3494, 0.3799



31.8626, 0.2587, 0.3078



31.8626, 0.3308, 0.2997

Complementary

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



31.8626, 0.3494, 0.3799



21.4949, 0.2738, 0.2724

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.



31.8626, 0.3011, 0.2851



31.8626, 0.3494, 0.3799



31.8626, 0.2606, 0.2886

Square

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



31.8626, 0.3494, 0.3799



31.8626, 0.2704, 0.3346



31.8626, 0.2758, 0.2809



31.8626, 0.3564, 0.3214

Rectangle

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



31.8626, 0.3494, 0.3799



31.8626, 0.3026, 0.3683



31.8626, 0.2758, 0.2809



31.8626, 0.3209, 0.2939

Sweetspot

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



31.8640, 0.3494, 0.3799



60.5068, 0.3232, 0.3438



22.5605, 0.3544, 0.3210



13.6147, 0.3240, 0.3450



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



31.8640, 0.3494, 0.3799



55.9992, 0.3586, 0.3922



32.1997, 0.3334, 0.3898



7.5717, 0.3264, 0.3483



20.2507, 0.4439, 0.4857



0.3995, 0.4328, 0.4945

Inverse Universe

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



21.4949, 0.2738, 0.2724



33.9349, 0.2634, 0.2567



21.3314, 0.2881, 0.2663



6.5687, 0.2988, 0.3090



2.4343, 0.1534, 0.0722



0.0790, 0.1665, 0.1193

Previews

White Background



This preview shows how the Yxy color 31.8626, 0.3494, 0.3799 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 31.8626, 0.3494, 0.3799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

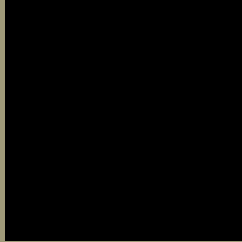
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

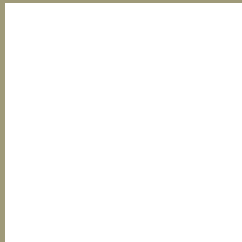
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.8626, 0.3494, 0.3799

Background



This preview shows how black text looks on a background with the Yxy color 31.8626, 0.3494, 0.3799.



This preview shows how white text looks on a background with the Yxy color 31.8626, 0.3494, 0.3799.

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

31.8626, 0.3494, 0.3799

Protanopia

31.9251, 0.3551, 0.3793

Deuteranopia

31.7376, 0.3719, 0.3653



Tritanopia

31.9255, 0.3175, 0.3129

Trichromacy



Original Color

31.8626, 0.3494, 0.3799

Protanomaly

31.8199, 0.3540, 0.3795

Deuteranomaly

31.8758, 0.3629, 0.3706

Tritanomaly

31.8899, 0.3288, 0.3366

Monochromacy



Original Color

31.8626, 0.3494, 0.3799

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.6741, 0.3261, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8626, 0.3494, 0.3799 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(159, 154, 121)` looks like.

```
.text, #text, p{  
    color:rgb(159, 154, 121)  
}
```

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(159, 154, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 154, 121) }
```

Border

The CSS property to change the border of an element to Yxy 31.8626, 0.3494, 0.3799 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(159, 154, 121) }
```

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

```
.border{ border-color:rgb(159, 154, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 154, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 154, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 154, 121); box-shadow:4px 4px 4px 4px rgb(159, 154, 121) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8626, 0.3494, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 154, 121) }
```

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

```
.background{ background-color: rgb(159,  
154, 121) }
```

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