

Converting Colors

$Yxy(31.5617, 0.3204, 0.3818)$

Have a look what the booklet for
Yxy(31.5617, 0.3204, 0.3818)
contains.

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Color

Yxy(31.6469, 0.3199, 0.3814)

Conversions

Conversions Part 1

Format	Color
Hex	899F7F
RGB	137, 159, 127
RGB Percent	54%, 62%, 50%
CMY	0.4628, 0.3764, 0.5020
CMYK	0.14, 0.00, 0.20, 0.38
HSL	101°, 14%, 56%
HSV	101°, 20%, 62%
XYZ	26.5439, 31.6469, 24.7848
YIQ	148.7740, -2.8400, -14.6160

Conversions

Conversions Part 2

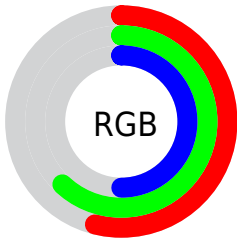
Format	Color
RYB	127, 159, 149
Decimal	9019263
CIELab	63.05, -13.91, 14.18
CIELCh	63, 19.862, 134.455
Yxy	31.6469, 0.3199, 0.3814
Android (android.graphics.Color)	4287209343 (0xFF899F7F)
YUV	148.7740, -10.7346, -10.3258
Hunter-Lab	56.2556, -14.2230, 13.2572

Details

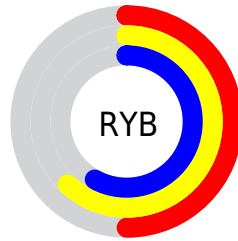
The Yxy color **31.6469, 0.3199, 0.3814** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.0701, 0.3038, 0.2787**, and the grayscale version is **30.0016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4648, 0.3189, 0.3704**, and **13.3014, 0.3215, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **30.3882, 0.3230, 0.4109**, and if you desaturate by 10%, it is **33.0674, 0.3164, 0.3541**.

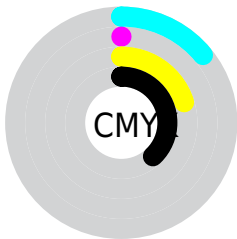
Distribution



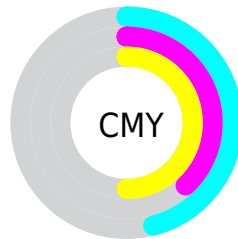
- Red (54%)
- Green (62%)
- Blue (50%)



- Red (50%)
- Yellow (62%)
- Blue (58%)



- Cyan (14%)
- Magenta (0%)
- Yellow (20%)
- Black (38%)





- Cyan (46%)
- Magenta (38%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6469, 0.3199, 0.3814 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 31.6469, 0.3199, 0.3814 by changing the saturation by 10% instead.


 31.6469, 0.3199,
0.3814


 31.6469, 0.3199,
0.3814


309.5076, 0.3165,
0.3528

 21.0919, 0.3207,
0.3895


 62.2571, 0.3187,
0.3704

 13.1912, 0.3215,
0.4004


 83.0812, 0.3182,
0.3664

 7.5604, 0.3225,
0.4162


 108.0971, 0.3178,
0.3631

 3.8149, 0.3233,
0.4406

137.6892, 0.3175,
0.3604

 1.5706, 0.3276,
0.4907

172.2419, 0.3172,
0.3581

 0.3377, 0.0000,
1.0000

212.1396, 0.3169,

 0.0000, 0.0000,

0.3561

0.0000

257.7667, 0.3167,
0.3543

■ 31.6469, 0.3199,
0.3814

■ 31.6469, 0.3199,
0.3814

■ 30.3882, 0.3230,
0.4109

■ 33.0674, 0.3164,
0.3541

■ 29.2815, 0.3255,
0.4421

■ 34.6510, 0.3128,
0.3293

■ 28.3217, 0.3272,
0.4739

■ 36.4046, 0.3091,
0.3071

■ 27.5023, 0.3276,
0.5048

■ 38.3329, 0.3055,
0.2874

■ 26.8161, 0.3267,
0.5331

■ 40.4409, 0.3020,
0.2699

■ 26.2549, 0.3242,
0.5570

■ 42.7332, 0.2988,
0.2545

■ 25.8099, 0.3204,
0.5749

■ 45.2141, 0.2957,
0.2410

■ 25.4682, 0.3159,
0.5874

■ 47.8879, 0.2928,
0.2291

■ 49.7479, 0.3011,
0.2310

Harmonies

Analogous

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



31.6469, 0.3499, 0.3847



31.6469, 0.3199, 0.3814



31.6469, 0.2890, 0.3616

Triad

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



31.6469, 0.3199, 0.3814



31.6469, 0.2575, 0.2840



31.6469, 0.3621, 0.3231

Complementary

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



31.6469, 0.3199, 0.3814



24.0701, 0.3038, 0.2787

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.



31.6469, 0.3351, 0.2993



31.6469, 0.3199, 0.3814



31.6469, 0.2749, 0.2770

Square

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



31.6469, 0.3199, 0.3814



31.6469, 0.2540, 0.3036



31.6469, 0.3030, 0.2827



31.6469, 0.3752, 0.3494

Rectangle

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



31.6469, 0.3199, 0.3814



31.6469, 0.2719, 0.3424



31.6469, 0.3030, 0.2827



31.6469, 0.3543, 0.3146

Sweetspot

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



31.6483, 0.3199, 0.3814



60.3196, 0.3150, 0.3438



30.3569, 0.3451, 0.3630



13.5610, 0.3152, 0.3453



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.



31.6483, 0.3199, 0.3814



55.6647, 0.3213, 0.3939



30.9995, 0.3051, 0.3728



7.4966, 0.3161, 0.3518



20.1340, 0.3165, 0.5869



0.3810, 0.3469, 0.5627

Inverse Universe

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



24.0701, 0.3038, 0.2787



39.6743, 0.3015, 0.2672



24.8526, 0.3214, 0.2889



6.6506, 0.3090, 0.3066



4.5845, 0.2448, 0.1122



0.1033, 0.2769, 0.1299

Previews

White Background



This preview shows how the Yxy color 31.6469, 0.3199, 0.3814 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 31.6469, 0.3199, 0.3814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

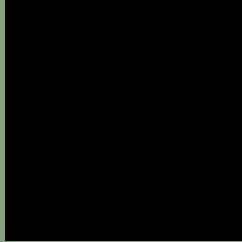
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6469, 0.3199, 0.3814

Background



This preview shows how black text looks on a background with the Yxy color 31.6469, 0.3199, 0.3814.



This preview shows how white text looks on a background with the Yxy color 31.6469, 0.3199, 0.3814.

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

31.6469, 0.3199, 0.3814

Protanopia

31.4888, 0.3493, 0.3720

Deuteranopia

31.5931, 0.3601, 0.3540



Tritanopia

31.7040, 0.2915, 0.3105

Trichromacy



Original Color

31.6469, 0.3199, 0.3814

Protanomaly

31.5988, 0.3379, 0.3763

Deuteranomaly

31.2953, 0.3446, 0.3628

Tritanomaly

31.7067, 0.3018, 0.3353

Monochromacy



Original Color

31.6469, 0.3199, 0.3814

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.7253, 0.3158, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6469, 0.3199, 0.3814 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, 159, 127)` looks like.

```
.text, #text, p{  
    color:rgb(137, 159, 127)  
}
```

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, 159, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 159, 127) }
```

Border

The CSS property to change the border of an element to Yxy 31.6469, 0.3199, 0.3814 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, 159, 127) }
```

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

```
.border{ border-color:rgb(137, 159, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 159, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 159, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 159, 127);  
box-shadow:4px 4px 4px 4px rgb(137, 159,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6469, 0.3199, 0.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 159, 127) }
```

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

```
.background{ background-color: rgb(137,  
159, 127) }
```

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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