

Converting Colors

$Y_{xy}(31.7820, 0.3833, 0.4488)$

Have a look what the booklet for
Yxy(31.7820, 0.3833, 0.4488)
contains.

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Color

Yxy(31.7319, 0.3835, 0.4483)

Conversions

Conversions Part 1

Format	Color
Hex	9C9D4E
RGB	156, 157, 78
RGB Percent	61%, 62%, 31%
CMY	0.3882, 0.3843, 0.6940
CMYK	0.01, 0.00, 0.50, 0.38
HSL	61°, 34%, 46%
HSV	61°, 50%, 62%
XYZ	27.1452, 31.7319, 11.9057
YIQ	147.6950, 24.7630, -24.7810

Conversions

Conversions Part 2

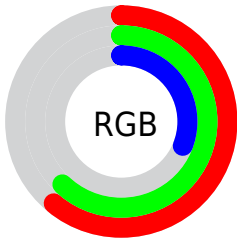
Format	Color
RYB	78, 157, 79
Decimal	10263886
CIELab	63.12, -11.77, 40.78
CIELCh	63, 42.441, 106.094
Yxy	31.7319, 0.3835, 0.4483
Android (android.graphics.Color)	4288453966 (0xFF9C9D4E)
YUV	147.6950, -34.3596, 7.2835
Hunter-Lab	56.3311, -12.5627, 26.9007

Details

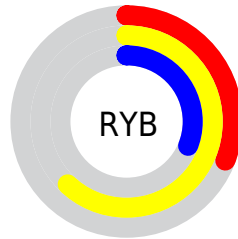
The Yxy color **31.7319, 0.3835, 0.4483** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.5487, 0.2201, 0.1746**, and the grayscale version is **29.6210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1706, 0.3714, 0.4244**, and **13.2803, 0.4004, 0.4847** is the 20% darker color. If you saturate the color by 10%, you get **31.5148, 0.3948, 0.4675**, and if you desaturate by 10%, it is **32.0057, 0.3706, 0.4264**.

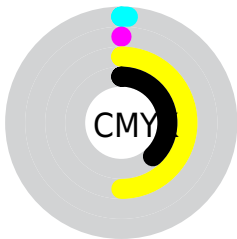
Distribution



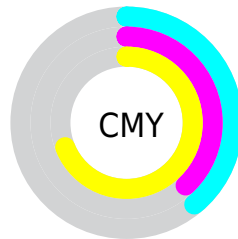
- Red (61%)
- Green (62%)
- Blue (31%)



- Red (31%)
- Yellow (62%)
- Blue (31%)



- Cyan (1%)
- Magenta (0%)
- Yellow (50%)
- Black (38%)





- Cyan (39%)
- Magenta (38%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7319, 0.3835, 0.4483 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 31.7319, 0.3835, 0.4483 by changing the saturation by 10% instead.

 31.7319, 0.3835,
0.4483


 31.7319, 0.3835,
0.4483


309.8962, 0.3484,
0.3849


 21.1568, 0.3913,
0.4646


 62.3906, 0.3712,
0.4247


 13.2387, 0.4004,
0.4855


 83.2429, 0.3664,
0.4160

 7.5931, 0.4101,
0.5122


 108.2898, 0.3623,
0.4086

 3.8357, 0.4335,
0.5665

 137.9156, 0.3588,
0.4024

 1.5821, 0.4143,
0.5857

 172.5048, 0.3557,
0.3971

 0.3455, 0.1064,
0.8936

212.4416, 0.3529,

 0.0000, 0.0000,

0.3925

0.0000

258.1106, 0.3505,
0.3885

■ 31.7319, 0.3835,
0.4483

■ 31.7319, 0.3835,
0.4483

■ 31.5148, 0.3948,
0.4675

■ 32.0057, 0.3706,
0.4264

■ 31.3462, 0.4039,
0.4833

■ 32.3353, 0.3566,
0.4028

■ 31.2231, 0.4106,
0.4950

■ 32.7254, 0.3420,
0.3782

■ 31.1403, 0.4149,
0.5026

■ 33.1791, 0.3274,
0.3537

■ 31.0864, 0.4172,
0.5069

■ 33.6990, 0.3131,
0.3297

■ 34.2877, 0.2995,
0.3068

■ 34.9478, 0.2866,
0.2853

■ 35.6816, 0.2747,
0.2654

■ 36.4913, 0.2637,
0.2471

Harmonies

Analogous

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



31.7319, 0.4311, 0.4152



31.7319, 0.3835, 0.4483



31.7319, 0.3198, 0.4460

Triad

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



31.7319, 0.3835, 0.4483



31.7319, 0.1948, 0.2686



31.7319, 0.3627, 0.2710

Complementary

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



31.7319, 0.3835, 0.4483



9.5487, 0.2201, 0.1746

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.



31.7319, 0.2938, 0.2389



31.7319, 0.3835, 0.4483



31.7319, 0.2032, 0.2341

Square

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



31.7319, 0.3835, 0.4483



31.7319, 0.2131, 0.3285



31.7319, 0.2371, 0.2253



31.7319, 0.4215, 0.3160

Rectangle

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



31.7319, 0.3835, 0.4483



31.7319, 0.2770, 0.4187



31.7319, 0.2371, 0.2253



31.7319, 0.3395, 0.2585

Sweetspot

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



31.7334, 0.3835, 0.4483



59.0019, 0.3347, 0.3659



13.1703, 0.4504, 0.3294



12.9486, 0.3376, 0.3707



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



31.7334, 0.3835, 0.4483



56.4118, 0.3956, 0.4690



28.4813, 0.3420, 0.4674



7.7162, 0.3259, 0.3511



25.2495, 0.4172, 0.5069



0.4527, 0.4181, 0.5062

Inverse Universe

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



9.5487, 0.2201, 0.1746



12.1787, 0.1980, 0.1381



11.7036, 0.2649, 0.1912



6.4390, 0.2989, 0.3059



1.9886, 0.1505, 0.0603



0.0366, 0.1531, 0.0617

Previews

White Background



This preview shows how the Yxy color 31.7319, 0.3835, 0.4483 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 31.7319, 0.3835, 0.4483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

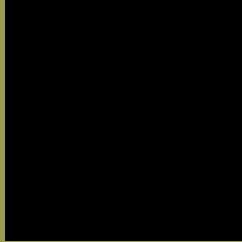
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7319, 0.3835, 0.4483

Background



This preview shows how black text looks on a background with the Yxy color 31.7319, 0.3835, 0.4483.



This preview shows how white text looks on a background with the Yxy color 31.7319, 0.3835, 0.4483.

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

31.7319, 0.3835, 0.4483

Protanopia

31.7533, 0.4015, 0.4382

Deuteranopia

31.4097, 0.4243, 0.4151



Tritanopia

31.7172, 0.3187, 0.3114

Trichromacy



Original Color

31.7319, 0.3835, 0.4483

Protanomaly

31.5395, 0.3952, 0.4419

Deuteranomaly

31.3042, 0.4098, 0.4262

Tritanomaly

31.4263, 0.3447, 0.3611

Monochromacy



Original Color

31.7319, 0.3835, 0.4483

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.1426, 0.3398, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7319, 0.3835, 0.4483 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(156, 157, 78)` looks like.

```
.text, #text, p{  
    color:rgb(156, 157, 78)  
}
```

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(156, 157, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 157, 78) }
```

Border

The CSS property to change the border of an element to Yxy 31.7319, 0.3835, 0.4483 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(156, 157, 78) }
```

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

```
.border{ border-color:rgb(156, 157, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 157, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 157, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 157, 78);  
box-shadow:4px 4px 4px 4px rgb(156, 157,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7319, 0.3835, 0.4483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 157, 78) }
```

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

```
.background{ background-color: rgb(156,  
157, 78) }
```

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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