

Converting Colors

$Y_{xy}(31.5978, 0.3982, 0.4704)$

Have a look what the booklet for
Yxy(31.5978, 0.3982, 0.4704)
contains.

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Color

Yxy(31.5978, 0.3982, 0.4704)

Conversions

Conversions Part 1

Format	Color
Hex	9D9D3B
RGB	157, 157, 59
RGB Percent	62%, 62%, 23%
CMY	0.3844, 0.3843, 0.7686
CMYK	0.00, 0.00, 0.62, 0.38
HSL	60°, 45%, 42%
HSV	60°, 62%, 62%
XYZ	26.7480, 31.5978, 8.8264
YIQ	145.8280, 31.4580, -30.4780

Conversions

Conversions Part 2

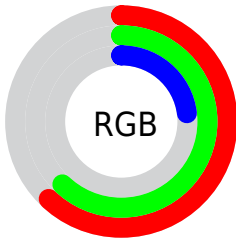
Format	Color
RYB	59, 157, 59
Decimal	10329403
CIELab	63.01, -12.90, 49.66
CIELCh	63, 51.313, 104.558
Yxy	31.5978, 0.3982, 0.4704
Android (android.graphics.Color)	4288519483 (0xFF9D9D3B)
YUV	145.8280, -42.8062, 9.7978
Hunter-Lab	56.2119, -13.4331, 30.0386

Details

The Yxy color **31.5978, 0.3982, 0.4704** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.4933, 0.1945, 0.1336**, and the grayscale version is **28.8390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0324, 0.3847, 0.4428**, and **13.1916, 0.4147, 0.5090** is the 20% darker color. If you saturate the color by 10%, you get **31.4596, 0.4071, 0.4851**, and if you desaturate by 10%, it is **31.7879, 0.3871, 0.4521**.

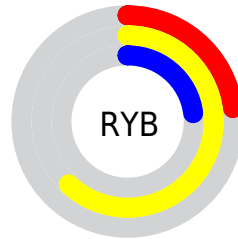
Distribution



Red (62%)

Green (62%)

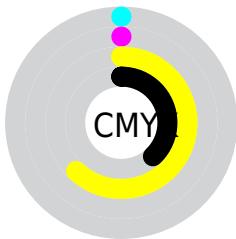
Blue (23%)



Red (23%)

Yellow (62%)

Blue (23%)

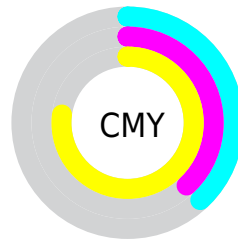


Cyan (0%)

Magenta (0%)

Yellow (62%)

Black (38%)



Cyan (38%)


Magenta (38%)

Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5978, 0.3982, 0.4704 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 31.5978, 0.3982, 0.4704 by changing the saturation by 10% instead.


 31.5978, 0.3982,
0.4704

 31.5978, 0.3982,
0.4704


 309.2830, 0.3571,
0.3964

 21.0545, 0.4064,
0.4884


 62.1800, 0.3844,
0.4435

 13.1638, 0.4150,
0.5104


 82.9877, 0.3788,
0.4333


 7.5415, 0.4244,
0.5394


 107.9857, 0.3740,
0.4247

 3.8030, 0.4279,
0.5721

 137.5583, 0.3697,
0.4174

 1.5640, 0.4068,
0.5932

 172.0899, 0.3660,
0.4110

 0.3331, 0.0052,
0.9948

 211.9650, 0.3627,

 0.0000, 0.0000,

0.4055

0.0000

257.5679, 0.3598,
0.4007

■ 31.5978, 0.3982,
0.4704

■ 31.5978, 0.3982,
0.4704

■ 31.4596, 0.4071,
0.4851

■ 31.7879, 0.3871,
0.4521

■ 31.3644, 0.4135,
0.4957

■ 32.0296, 0.3743,
0.4309

■ 31.3083, 0.4174,
0.5022

■ 32.3278, 0.3603,
0.4077

■ 31.2816, 0.4193,
0.5053

■ 32.6858, 0.3456,
0.3834

■ 33.1067, 0.3308,
0.3588

■ 33.5933, 0.3162,
0.3347

■ 34.1481, 0.3022,
0.3116

■ 34.7738, 0.2890,
0.2897

■ 35.4727, 0.2767,
0.2694

Harmonies

Analogous

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



31.5978, 0.4549, 0.4254



31.5978, 0.3982, 0.4704



31.5978, 0.3228, 0.4748

Triad

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



31.5978, 0.3982, 0.4704



31.5978, 0.1744, 0.2580



31.5978, 0.3681, 0.2579

Complementary

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



31.5978, 0.3982, 0.4704



6.4933, 0.1945, 0.1336

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.



31.5978, 0.2851, 0.2219



31.5978, 0.3982, 0.4704



31.5978, 0.1828, 0.2175

Square

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



31.5978, 0.3982, 0.4704



31.5978, 0.1961, 0.3311



31.5978, 0.2200, 0.2071



31.5978, 0.4416, 0.3089

Rectangle

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



31.5978, 0.3982, 0.4704



31.5978, 0.2719, 0.4436



31.5978, 0.2200, 0.2071



31.5978, 0.3398, 0.2438

Sweetspot

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



31.5993, 0.3982, 0.4704



58.7467, 0.3411, 0.3759



10.6128, 0.5049, 0.3296



12.8849, 0.3450, 0.3824



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.



31.5993, 0.3982, 0.4704



56.2552, 0.4099, 0.4898



27.6217, 0.3453, 0.5011



7.7203, 0.3261, 0.3511



25.4026, 0.4193, 0.5053



0.4542, 0.4193, 0.5053

Inverse Universe

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



6.4933, 0.1945, 0.1336



7.4324, 0.1708, 0.0944



8.7510, 0.2495, 0.1578



6.4354, 0.2987, 0.3059



1.9774, 0.1500, 0.0600



0.0354, 0.1501, 0.0601

Previews

White Background



This preview shows how the Yxy color 31.5978, 0.3982, 0.4704 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 31.5978, 0.3982, 0.4704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

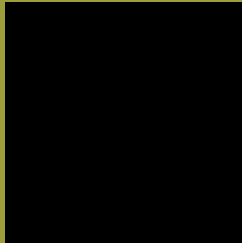
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5978, 0.3982, 0.4704

Background



This preview shows how black text looks on a background with the Yxy color 31.5978, 0.3982, 0.4704.



This preview shows how white text looks on a background with the Yxy color 31.5978, 0.3982, 0.4704.

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

31.5978, 0.3982, 0.4704

Protanopia

31.6340, 0.4166, 0.4587

Deuteranopia

31.4285, 0.4414, 0.4334



Tritanopia

31.4776, 0.3208, 0.3115

Trichromacy



Original Color

31.5978, 0.3982, 0.4704

Protanomaly

31.4160, 0.4103, 0.4630

Deuteranomaly

31.1898, 0.4253, 0.4459

Tritanomaly

31.3498, 0.3528, 0.3718

Monochromacy



Original Color

31.5978, 0.3982, 0.4704

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.5116, 0.3478, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5978, 0.3982, 0.4704 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(157, 157, 59)` looks like.

```
.text, #text, p{  
    color:rgb(157, 157, 59)  
}
```

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(157, 157, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 157, 59) }
```

Border

The CSS property to change the border of an element to Yxy 31.5978, 0.3982, 0.4704 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(157, 157, 59) }
```

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

```
.border{ border-color:rgb(157, 157, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 157, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 157, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 157, 59);  
box-shadow:4px 4px 4px 4px rgb(157, 157,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5978, 0.3982, 0.4704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 157, 59) }
```

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

```
.background{ background-color: rgb(157,  
157, 59) }
```

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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