

Converting Colors

$Yxy(32.0604, 0.3868, 0.4664)$

Have a look what the booklet for
Yxy(32.0604, 0.3868, 0.4664)
contains.

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Color

Yxy(31.9738, 0.3870, 0.4661)

Conversions

Conversions Part 1

Format	Color
Hex	999F43
RGB	153, 159, 67
RGB Percent	60%, 62%, 26%
CMY	0.4000, 0.3765, 0.7374
CMYK	0.04, 0.00, 0.58, 0.38
HSL	64°, 41%, 44%
HSV	64°, 58%, 62%
XYZ	26.5477, 31.9738, 10.0771
YIQ	146.7180, 25.9560, -29.8840

Conversions

Conversions Part 2

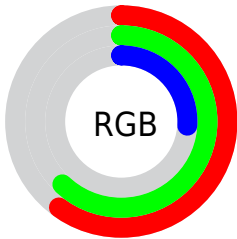
Format	Color
RYB	67, 159, 73
Decimal	10067779
CIELab	63.32, -15.06, 46.29
CIELCh	63, 48.683, 108.025
Yxy	31.9738, 0.3870, 0.4661
Android (android.graphics.Color)	4288257859 (0xFF999F43)
YUV	146.7180, -39.3010, 5.5093
Hunter-Lab	56.5454, -15.1499, 29.0155

Details

The Yxy color **31.9738, 0.3870, 0.4661** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.9292, 0.2089, 0.1505**, and the grayscale version is **29.2118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9564, 0.3748, 0.4402**, and **13.4068, 0.4008, 0.5079** is the 20% darker color. If you saturate the color by 10%, you get **31.7095, 0.3958, 0.4838**, and if you desaturate by 10%, it is **32.2943, 0.3762, 0.4452**.

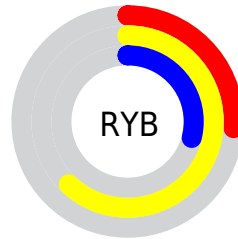
Distribution



Red (60%)

Green (62%)

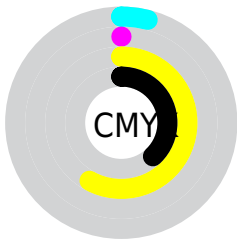
Blue (26%)



Red (26%)

Yellow (62%)

Blue (29%)

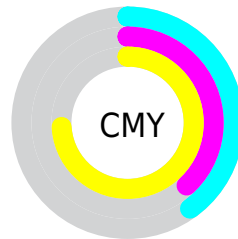


Cyan (4%)

Magenta (0%)

Yellow (58%)

Black (38%)



Cyan (40%)

Magenta (38%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9738, 0.3870, 0.4661 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 31.9738, 0.3870, 0.4661 by changing the saturation by 10% instead.

 31.9738, 0.3870,
0.4661


 31.9738, 0.3870,
0.4661


310.9999, 0.3513,
0.3935

 21.3415, 0.3943,
0.4844


 62.7700, 0.3750,
0.4392

 13.3738, 0.4020,
0.5074


 83.7027, 0.3701,
0.4292


 7.6865, 0.4090,
0.5365


 108.8376, 0.3659,
0.4208

 3.8950, 0.4182,
0.5818

 138.5592, 0.3622,
0.4137

 1.6150, 0.3938,
0.6062

 173.2518, 0.3590,
0.4076

 0.3677, 0.0000,
1.0000

213.2999, 0.3561,

 0.0000, 0.0000,

0.4022

0.0000

259.0878, 0.3536,
0.3976

■ 31.9738, 0.3870,
0.4661

■ 31.9738, 0.3870,
0.4661

■ 31.7095, 0.3958,
0.4838

■ 32.2943, 0.3762,
0.4452

■ 31.4927, 0.4022,
0.4976

■ 32.6704, 0.3639,
0.4220

■ 31.3195, 0.4061,
0.5072

■ 33.1073, 0.3507,
0.3975

■ 31.1811, 0.4078,
0.5131

■ 33.6081, 0.3370,
0.3725

■ 31.1531, 0.4081,
0.5142

■ 34.1760, 0.3233,
0.3479

■ 34.8136, 0.3099,
0.3241

■ 35.5237, 0.2972,
0.3015

■ 36.3087, 0.2852,
0.2805

■ 37.1712, 0.2741,
0.2612

Harmonies

Analogous

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



31.9738, 0.4435, 0.4276



31.9738, 0.3870, 0.4661



31.9738, 0.3144, 0.4627

Triad

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



31.9738, 0.3870, 0.4661



31.9738, 0.1802, 0.2560



31.9738, 0.3744, 0.2664

Complementary

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



31.9738, 0.3870, 0.4661



7.9292, 0.2089, 0.1505

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.



31.9738, 0.2954, 0.2298



31.9738, 0.3870, 0.4661



31.9738, 0.1915, 0.2204

Square

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



31.9738, 0.3870, 0.4661



31.9738, 0.1979, 0.3222



31.9738, 0.2305, 0.2131



31.9738, 0.4405, 0.3166

Rectangle

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



31.9738, 0.3870, 0.4661



31.9738, 0.2667, 0.4291



31.9738, 0.2305, 0.2131



31.9738, 0.3479, 0.2523

Sweetspot

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



31.9753, 0.3870, 0.4661



60.2390, 0.3362, 0.3711



12.3556, 0.4793, 0.3365



13.5408, 0.3388, 0.3758



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.



31.9753, 0.3870, 0.4661



56.6832, 0.3976, 0.4875



28.4151, 0.3398, 0.4915



7.6983, 0.3251, 0.3512



24.6112, 0.4082, 0.5141



0.4460, 0.4130, 0.5103

Inverse Universe

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



7.9292, 0.2089, 0.1505



9.5824, 0.1857, 0.1125



10.3367, 0.2614, 0.1723



6.4549, 0.2997, 0.3060



2.0372, 0.1527, 0.0615



0.0418, 0.1657, 0.0687

Previews

White Background



This preview shows how the Yxy color 31.9738, 0.3870, 0.4661 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 31.9738, 0.3870, 0.4661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

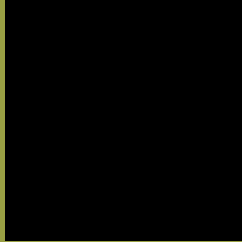
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9738, 0.3870, 0.4661

Background



This preview shows how black text looks on a background with the Yxy color 31.9738, 0.3870, 0.4661.



This preview shows how white text looks on a background with the Yxy color 31.9738, 0.3870, 0.4661.

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

31.9738, 0.3870, 0.4661

Protanopia

31.7102, 0.4118, 0.4515

Deuteranopia

31.8315, 0.4342, 0.4265



Tritanopia

31.8546, 0.3156, 0.3114

Trichromacy



Original Color

31.9738, 0.3870, 0.4661

Protanomaly

31.7286, 0.4028, 0.4562

Deuteranomaly

31.8055, 0.4164, 0.4403

Tritanomaly

31.6857, 0.3439, 0.3691

Monochromacy



Original Color

31.9738, 0.3870, 0.4661

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.8308, 0.3425, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9738, 0.3870, 0.4661 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(153, 159, 67)` looks like.

```
.text, #text, p{  
    color:rgb(153, 159, 67)  
}
```

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(153, 159, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 159, 67) }
```

Border

The CSS property to change the border of an element to Yxy 31.9738, 0.3870, 0.4661 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(153, 159, 67) }
```

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

```
.border{ border-color:rgb(153, 159, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 159, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 159, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 159, 67);  
box-shadow:4px 4px 4px 4px rgb(153, 159,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9738, 0.3870, 0.4661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 159, 67) }
```

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

```
.background{ background-color: rgb(153,  
159, 67) }
```

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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