

Converting Colors

$Yxy(31.5932, 0.3781, 0.4440)$

Have a look what the booklet for
Yxy(31.5932, 0.3781, 0.4440)
contains.

Yxy(31.5932, 0.3781, 0.4440)	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(31.5932, 0.3781, 0.4440)

Conversions

Conversions Part 1

Format	Color
Hex	9A9D52
RGB	154, 157, 82
RGB Percent	60%, 62%, 32%
CMY	0.3961, 0.3843, 0.6785
CMYK	0.02, 0.00, 0.48, 0.38
HSL	62°, 31%, 47%
HSV	62°, 48%, 62%
XYZ	26.9040, 31.5932, 12.6586
YIQ	147.5530, 22.2870, -23.9610

Conversions

Conversions Part 2

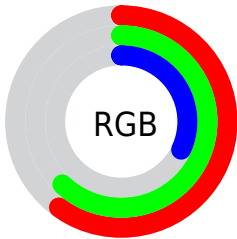
Format	Color
RYB	82, 157, 85
Decimal	10132818
CIELab	63.01, -12.25, 38.60
CIELCh	63, 40.499, 107.600
Yxy	31.5932, 0.3781, 0.4440
Android (android.graphics.Color)	4288322898 (0xFF9A9D52)
YUV	147.5530, -32.3176, 5.6540
Hunter-Lab	56.2078, -12.9242, 25.9927

Details

The Yxy color **31.5932, 0.3781, 0.4440** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.3978, 0.2275, 0.1841**, and the grayscale version is **29.5478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9836, 0.3671, 0.4205**, and **13.1846, 0.3941, 0.4813** is the 20% darker color. If you saturate the color by 10%, you get **31.3205, 0.3893, 0.4645**, and if you desaturate by 10%, it is **31.9238, 0.3654, 0.4212**.

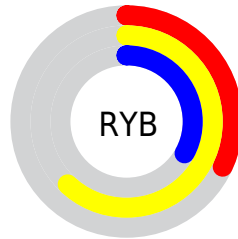
Distribution



Red (60%)

Green (62%)

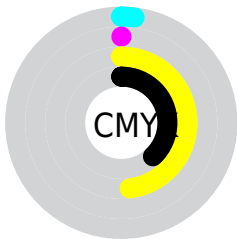
Blue (32%)



Red (32%)

Yellow (62%)

Blue (33%)

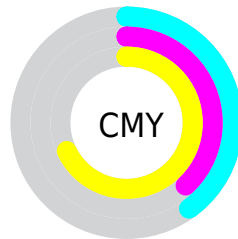


Cyan (2%)

Magenta (0%)

Yellow (48%)

Black (38%)



Cyan (40%)


Magenta (38%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5932, 0.3781, 0.4440 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 31.5932, 0.3781, 0.4440 by changing the saturation by 10% instead.


 31.5932, 0.3781,
0.4440


 31.5932, 0.3781,
0.4440


309.2620, 0.3455,
0.3825

 21.0510, 0.3855,
0.4601


 62.1728, 0.3666,
0.4210

 13.1613, 0.3941,
0.4808


 82.9790, 0.3622,
0.4125

 7.5397, 0.4035,
0.5079


 107.9752, 0.3584,
0.4054

 3.8018, 0.4263,
0.5627

 137.5460, 0.3551,
0.3994

 1.5633, 0.4109,
0.5891

 172.0757, 0.3522,
0.3943

 0.3327, 0.0494,
0.9506

211.9486, 0.3497,

 0.0000, 0.0000,

0.3898

0.0000

257.5493, 0.3475,
0.3859

■ 31.5932, 0.3781,
0.4440

■ 31.5932, 0.3781,
0.4440

■ 31.3205, 0.3893,
0.4645

■ 31.9238, 0.3654,
0.4212

■ 31.0976, 0.3986,
0.4817

■ 32.3114, 0.3517,
0.3969

■ 30.9217, 0.4055,
0.4950

■ 32.7605, 0.3375,
0.3721

■ 30.7878, 0.4098,
0.5042

■ 33.2742, 0.3234,
0.3476

■ 30.6872, 0.4120,
0.5097

■ 33.8551, 0.3097,
0.3238

■ 30.6662, 0.4124,
0.5107

■ 34.5058, 0.2966,
0.3013

■ 35.2288, 0.2844,
0.2803

■ 36.0264, 0.2730,
0.2609

■ 36.9007, 0.2625,
0.2431

Harmonies

Analogous

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



31.5932, 0.4246, 0.4142



31.5932, 0.3781, 0.4440



31.5932, 0.3167, 0.4390

Triad

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



31.5932, 0.3781, 0.4440



31.5932, 0.1991, 0.2692



31.5932, 0.3638, 0.2753

Complementary

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



31.5932, 0.3781, 0.4440



10.3978, 0.2275, 0.1841

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.



31.5932, 0.2979, 0.2435



31.5932, 0.3781, 0.4440



31.5932, 0.2085, 0.2370

Square

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



31.5932, 0.3781, 0.4440



31.5932, 0.2156, 0.3255



31.5932, 0.2425, 0.2294



31.5932, 0.4187, 0.3192

Rectangle

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



31.5932, 0.3781, 0.4440



31.5932, 0.2759, 0.4117



31.5932, 0.2425, 0.2294



31.5932, 0.3418, 0.2630

Sweetspot

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



31.5946, 0.3781, 0.4440



58.9736, 0.3326, 0.3635



14.1937, 0.4378, 0.3334



12.9374, 0.3354, 0.3684



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.



31.5946, 0.3781, 0.4440



56.0713, 0.3897, 0.4651



28.5074, 0.3384, 0.4613



7.7068, 0.3255, 0.3511



24.9075, 0.4125, 0.5107



0.4491, 0.4154, 0.5084

Inverse Universe

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



10.3978, 0.2275, 0.1841



13.5893, 0.2064, 0.1491



12.6037, 0.2712, 0.1995



6.4474, 0.2993, 0.3059



2.0142, 0.1517, 0.0609



0.0393, 0.1598, 0.0654

Previews

White Background



This preview shows how the Yxy color 31.5932, 0.3781, 0.4440 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 31.5932, 0.3781, 0.4440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

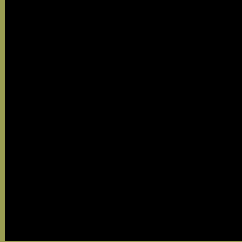
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5932, 0.3781, 0.4440

Background



This preview shows how black text looks on a background with the Yxy color 31.5932, 0.3781, 0.4440.



This preview shows how white text looks on a background with the Yxy color 31.5932, 0.3781, 0.4440.

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

31.5932, 0.3781, 0.4440

Protanopia

31.3605, 0.3986, 0.4337

Deuteranopia

31.3458, 0.4195, 0.4107



Tritanopia

31.3993, 0.3156, 0.3113

Trichromacy



Original Color

31.5932, 0.3781, 0.4440

Protanomaly

31.4918, 0.3908, 0.4373

Deuteranomaly

31.1337, 0.4040, 0.4221

Tritanomaly

31.1701, 0.3395, 0.3583

Monochromacy



Original Color

31.5932, 0.3781, 0.4440

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.0725, 0.3377, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5932, 0.3781, 0.4440 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(154, 157, 82)` looks like.

```
.text, #text, p{  
    color:rgb(154, 157, 82)  
}
```

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(154, 157, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 157, 82) }
```

Border

The CSS property to change the border of an element to Yxy 31.5932, 0.3781, 0.4440 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(154, 157, 82) }
```

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

```
.border{ border-color:rgb(154, 157, 82) }
```

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

Here you see how a box with a 4 pixel rgb(154, 157, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 157, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 157, 82);  
box-shadow:4px 4px 4px 4px rgb(154, 157,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5932, 0.3781, 0.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 157, 82) }
```

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

```
.background{ background-color: rgb(154,  
157, 82) }
```

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