

Converting Colors

$Y_{xy}(31.7397, 0.3974, 0.5038)$

Have a look what the booklet for
Yxy(31.7397, 0.3974, 0.5038)
contains.

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Color

Yxy(31.8026, 0.3969, 0.5039)

Conversions

Conversions Part 1

Format	Color
Hex	93A121
RGB	147, 161, 33
RGB Percent	58%, 63%, 13%
CMY	0.4236, 0.3686, 0.8704
CMYK	0.09, 0.00, 0.79, 0.37
HSL	67°, 66%, 38%
HSV	67°, 79%, 63%
XYZ	25.0495, 31.8026, 6.2608
YIQ	142.2220, 32.7440, -42.7760

Conversions

Conversions Part 2

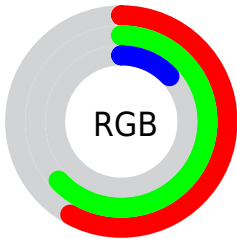
Format	Color
RYB	33, 161, 47
Decimal	9675041
CIELab	63.18, -20.72, 59.32
CIELCh	63, 62.836, 109.253
Yxy	31.8026, 0.3969, 0.5039
Android (android.graphics.Color)	4287865121 (0xFF93A121)
YUV	142.2220, -53.8464, 4.1903
Hunter-Lab	56.3938, -19.4014, 32.8933

Details

The Yxy color **31.8026, 0.3969, 0.5039** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.2708, 0.1752, 0.0918**, and the grayscale version is **27.3523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6873, 0.3856, 0.4711**, and **13.4272, 0.3920, 0.5269** is the 20% darker color. If you saturate the color by 10%, you get **31.5723, 0.3996, 0.5137**, and if you desaturate by 10%, it is **32.0815, 0.3916, 0.4898**.

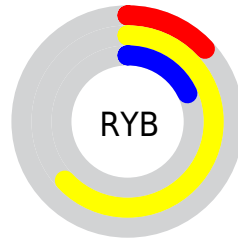
Distribution



Red (58%)

Green (63%)

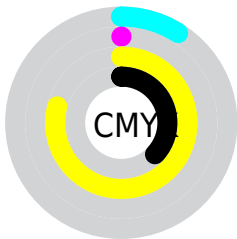
Blue (13%)



Red (13%)

Yellow (63%)

Blue (18%)

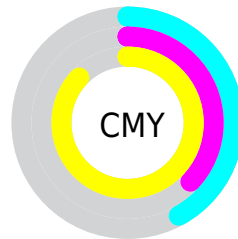


Cyan (9%)

Magenta (0%)

Yellow (79%)

Black (37%)



Cyan (42%)


Magenta (37%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8026, 0.3969, 0.5039 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 31.8026, 0.3969, 0.5039 by changing the saturation by 10% instead.


 31.8026, 0.3969,
0.5039

 31.8026, 0.3969,
0.5039


310.2190, 0.3599,
0.4128

 21.2108, 0.4022,
0.5252


 62.5015, 0.3859,
0.4712


 13.2782, 0.4057,
0.5503

 83.3774, 0.3809,
0.4587

 7.6204, 0.4111,
0.5889


 108.4500, 0.3764,
0.4481

 3.8530, 0.3909,
0.6091

 138.1039, 0.3723,
0.4389

 1.5917, 0.3564,
0.6436

 172.7233, 0.3687,
0.4311

 0.3520, 0.0000,
1.0000

 212.6927, 0.3655,

 0.0000, 0.0000,

0.4242

0.0000

258.3965, 0.3625,
0.4182

■ 31.8026, 0.3969,
0.5039

■ 31.8026, 0.3969,
0.5039

■ 31.5723, 0.3996,
0.5137

■ 32.0815, 0.3916,
0.4898

■ 31.3744, 0.4003,
0.5200

■ 32.4101, 0.3840,
0.4718

■ 31.3641, 0.4004,
0.5203

■ 32.7944, 0.3743,
0.4505

■ 33.2387, 0.3630,
0.4270

■ 33.7465, 0.3507,
0.4021

■ 34.3214, 0.3378,
0.3768

■ 34.9665, 0.3248,
0.3518

■ 35.6846, 0.3121,
0.3278

■ 36.4787, 0.2998,
0.3050

Harmonies

Analogous

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



31.8026, 0.4715, 0.4483



31.8026, 0.3969, 0.5039



31.8026, 0.3061, 0.5055

Triad

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



31.8026, 0.3969, 0.5039



31.8026, 0.1499, 0.2316



31.8026, 0.3953, 0.2526

Complementary

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



31.8026, 0.3969, 0.5039



4.2708, 0.1752, 0.0918

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.



31.8026, 0.2929, 0.2083



31.8026, 0.3969, 0.5039



31.8026, 0.1649, 0.1927

Square

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



31.8026, 0.3969, 0.5039



31.8026, 0.1675, 0.3125



31.8026, 0.2121, 0.1870



31.8026, 0.4801, 0.3123

Rectangle

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



31.8026, 0.3969, 0.5039



31.8026, 0.2476, 0.4592



31.8026, 0.2121, 0.1870



31.8026, 0.3607, 0.2356

Sweetspot

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



31.8041, 0.3969, 0.5039



60.9307, 0.3442, 0.3894



9.6306, 0.5687, 0.3435



13.2889, 0.3485, 0.3979



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.



31.8041, 0.3969, 0.5039



56.2774, 0.4001, 0.5182



27.4990, 0.3335, 0.5492



8.1977, 0.3245, 0.3513



25.0572, 0.4005, 0.5202



0.5370, 0.4078, 0.5144

Inverse Universe

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



4.2708, 0.1752, 0.0918



5.1464, 0.1567, 0.0659



6.9683, 0.2447, 0.1273



6.8954, 0.3003, 0.3059



2.1648, 0.1547, 0.0626



0.0558, 0.1748, 0.0736

Previews

White Background



This preview shows how the Yxy color 31.8026, 0.3969, 0.5039 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 31.8026, 0.3969, 0.5039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

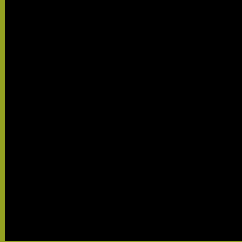
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8026, 0.3969, 0.5039

Background



This preview shows how black text looks on a background with the Yxy color 31.8026, 0.3969, 0.5039.



This preview shows how white text looks on a background with the Yxy color 31.8026, 0.3969, 0.5039.

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

31.8026, 0.3969, 0.5039

Protanopia

31.6521, 0.4328, 0.4781

Deuteranopia

31.6174, 0.4584, 0.4492



Tritanopia

31.6904, 0.3095, 0.3111

Trichromacy



Original Color

31.8026, 0.3969, 0.5039

Protanomaly

31.6677, 0.4195, 0.4875

Deuteranomaly

31.5033, 0.4364, 0.4688

Tritanomaly

31.2190, 0.3499, 0.3904

Monochromacy



Original Color

31.8026, 0.3969, 0.5039

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.3835, 0.3532, 0.4068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8026, 0.3969, 0.5039 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(147, 161, 33)` looks like.

```
.text, #text, p{  
    color:rgb(147, 161, 33)  
}
```

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(147, 161, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 161, 33) }
```

Border

The CSS property to change the border of an element to Yxy 31.8026, 0.3969, 0.5039 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(147, 161, 33) }
```

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

```
.border{ border-color:rgb(147, 161, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 161, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 161, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 161, 33);  
box-shadow:4px 4px 4px 4px rgb(147, 161,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8026, 0.3969, 0.5039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 161, 33) }
```

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

```
.background{ background-color: rgb(147,  
161, 33) }
```

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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