

Converting Colors

$Yxy(32.0136, 0.3075, 0.4418)$

Have a look what the booklet for
Yxy(32.0136, 0.3075, 0.4418)
contains.

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Color

Yxy(31.9478, 0.3074, 0.4422)

Conversions

Conversions Part 1

Format	Color
Hex	68A868
RGB	104, 168, 104
RGB Percent	41%, 66%, 41%
CMY	0.5922, 0.3412, 0.5922
CMYK	0.38, 0.00, 0.38, 0.34
HSL	120°, 27%, 53%
HSV	120°, 38%, 66%
XYZ	22.2089, 31.9478, 18.0907
YIQ	141.5680, -17.6000, -33.4720

Conversions

Conversions Part 2

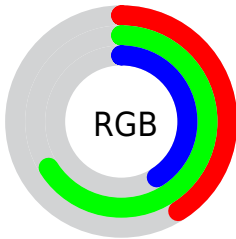
Format	Color
RYB	104, 168, 168
Decimal	6858856
CIELab	63.30, -33.85, 26.77
CIELCh	63, 43.155, 141.654
Yxy	31.9478, 0.3074, 0.4422
Android (android.graphics.Color)	4285048936 (0xFF68A868)
YUV	141.5680, -18.5210, -32.9471
Hunter-Lab	56.5224, -28.7777, 20.5891

Details

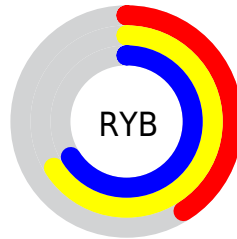
The Yxy color **31.9478, 0.3074, 0.4422** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.0508, 0.3170, 0.2369**, and the grayscale version is **26.9497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9807, 0.3099, 0.4174**, and **13.2771, 0.3014, 0.4844** is the 20% darker color. If you saturate the color by 10%, you get **30.7340, 0.3057, 0.4775**, and if you desaturate by 10%, it is **33.4325, 0.3090, 0.4083**.

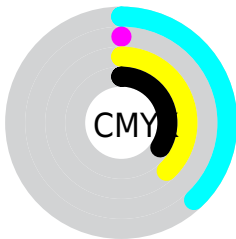
Distribution



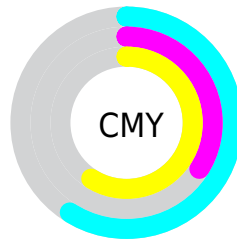
- Red (41%)
- Green (66%)
- Blue (41%)



- Red (41%)
- Yellow (66%)
- Blue (66%)



- Cyan (38%)
- Magenta (0%)
- Yellow (38%)
- Black (34%)





- Cyan (59%)
- Magenta (34%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9478, 0.3074, 0.4422 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 31.9478, 0.3074, 0.4422 by changing the saturation by 10% instead.


 31.9478, 0.3074,
0.4422


 31.9478, 0.3074,
0.4422


310.8814, 0.3122,
0.3788


 21.3216, 0.3052,
0.4606


 62.7292, 0.3098,
0.4173

 13.3593, 0.3015,
0.4858


 83.6533, 0.3105,
0.4086

 7.6764, 0.2950,
0.5222


 108.7788, 0.3110,
0.4014

 3.8886, 0.2818,
0.5787

 138.4901, 0.3114,
0.3954

 1.6114, 0.2624,
0.7376

173.1716, 0.3117,
0.3903

 0.3653, 0.0000,
1.0000

213.2078, 0.3119,

 0.0000, 0.0000,

0.3859

0.0000

258.9829, 0.3121,
0.3821

■ 31.9478, 0.3074,
0.4422

■ 31.9478, 0.3074,
0.4422

■ 30.7340, 0.3057,
0.4775

■ 33.4325, 0.3090,
0.4083

■ 29.7712, 0.3041,
0.5122

■ 35.1989, 0.3105,
0.3771

■ 29.0429, 0.3026,
0.5439


■ 37.2619, 0.3118,
0.3492


■ 28.5291, 0.3014,
0.5699


■ 39.6343, 0.3129,
0.3246

■ 28.2065, 0.3006,
0.5880


■ 42.3280, 0.3139,
0.3033


 28.0350, 0.3001,
0.5983

 45.3545, 0.3148,
0.2849

 28.0075, 0.3000,
0.6000

 48.7245, 0.3155,
0.2691

 52.4484, 0.3162,
0.2556

 56.4874, 0.3167,
0.2441

Harmonies

Analogous

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



31.9478, 0.3731, 0.4529



31.9478, 0.3074, 0.4422



31.9478, 0.2466, 0.3872

Triad

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



31.9478, 0.3074, 0.4422



31.9478, 0.2062, 0.2294



31.9478, 0.4309, 0.3250

Complementary

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



31.9478, 0.3074, 0.4422



21.0508, 0.3170, 0.2369

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.



31.9478, 0.3760, 0.2779



31.9478, 0.3074, 0.4422



31.9478, 0.2451, 0.2250

Square

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



31.9478, 0.3074, 0.4422



31.9478, 0.1929, 0.2592



31.9478, 0.3060, 0.2425



31.9478, 0.4488, 0.3766

Rectangle

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



31.9478, 0.3074, 0.4422



31.9478, 0.2168, 0.3389



31.9478, 0.3060, 0.2425



31.9478, 0.4159, 0.3085

Sweetspot

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



31.9491, 0.3074, 0.4422



66.3937, 0.3114, 0.3575



37.3322, 0.3687, 0.4215



14.3641, 0.3112, 0.3610



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.9491, 0.3074, 0.4422



56.0192, 0.3060, 0.4730



32.7273, 0.2835, 0.3840



8.4078, 0.3116, 0.3523



21.1485, 0.3000, 0.6000



0.5145, 0.3000, 0.6000

Inverse Universe

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



21.0508, 0.3170, 0.2369



33.2929, 0.3180, 0.2176



20.0012, 0.3580, 0.2803



7.6666, 0.3138, 0.3067



8.4211, 0.3209, 0.1542



0.2049, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 31.9478, 0.3074, 0.4422 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 31.9478, 0.3074, 0.4422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

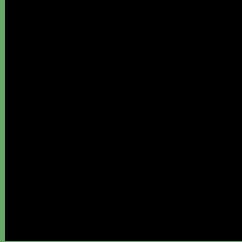
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9478, 0.3074, 0.4422

Background



This preview shows how black text looks on a background with the Yxy color 31.9478, 0.3074, 0.4422.



This preview shows how white text looks on a background with the Yxy color 31.9478, 0.3074, 0.4422.

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

31.9478, 0.3074, 0.4422

Protanopia

31.4453, 0.3802, 0.4100

Deuteranopia

31.4857, 0.3893, 0.3819



Tritanopia

31.9406, 0.2648, 0.3082

Trichromacy



Original Color

31.9478, 0.3074, 0.4422

Protanomaly

31.2135, 0.3504, 0.4230

Deuteranomaly

30.9450, 0.3564, 0.4033

Tritanomaly

31.7772, 0.2800, 0.3541

Monochromacy



Original Color

31.9478, 0.3074, 0.4422

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.2809, 0.3109, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9478, 0.3074, 0.4422 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(104, 168, 104)` looks like.

```
.text, #text, p{  
    color:rgb(104, 168, 104)  
}
```

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(104, 168, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 168, 104) }
```

Border

The CSS property to change the border of an element to Yxy 31.9478, 0.3074, 0.4422 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(104, 168, 104) }
```

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

```
.border{ border-color:rgb(104, 168, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 168, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 168, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 168, 104);  
box-shadow:4px 4px 4px 4px rgb(104, 168,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9478, 0.3074, 0.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 168, 104) }
```

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

```
.background{ background-color: rgb(104,  
168, 104) }
```

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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