

# Converting Colors

$Yxy(30.2426, 0.3955, 0.4182)$

Have a look what the booklet for  
Yxy(30.2426, 0.3955, 0.4182)  
contains.

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# Color

**Yxy(30.3194, 0.3955, 0.4176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A99458
RGB	169, 148, 88
RGB Percent	66%, 58%, 35%
CMY	0.3372, 0.4196, 0.6549
CMYK	0.00, 0.12, 0.48, 0.34
HSL	44°, 32%, 50%
HSV	44°, 48%, 66%
XYZ	28.7149, 30.3194, 13.5697
YIQ	147.4390, 31.7760, -14.2080

# Conversions

## Conversions Part 2

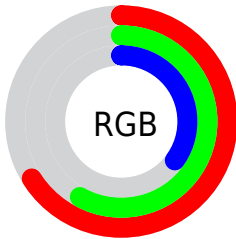
<b>Format</b>	<b>Color</b>
<b>RYB</b>	116, 169, 88
Decimal	11113560
CIELab	61.93, -0.40, 34.46
CIELCh	62, 34.462, 90.665
Yxy	30.3194, 0.3955, 0.4176
Android (android.graphics.Color)	4289303640 (0xFFA99458)
YUV	147.4390, -29.3034, 18.9090
Hunter-Lab	55.0631, -3.2743, 23.9328

# Details

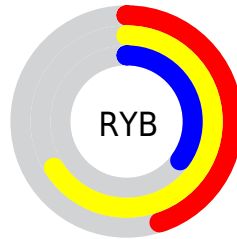
The Yxy color **30.3194, 0.3955, 0.4176** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.8772, 0.2305, 0.2197**, and the grayscale version is **29.4838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2739, 0.3798, 0.4006**, and **12.5334, 0.4198, 0.4451** is the 20% darker color. If you saturate the color by 10%, you get **28.7234, 0.4141, 0.4338**, and if you desaturate by 10%, it is **32.0352, 0.3767, 0.3996**.

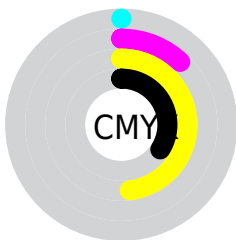
# Distribution



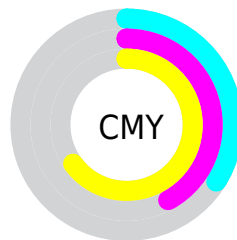
- Red (66%)
- Green (58%)
- Blue (35%)



- Red (45%)
- Yellow (66%)
- Blue (35%)



- Cyan (0%)
- Magenta (12%)
- Yellow (48%)
- Black (34%)




- Cyan (34%)
- Magenta (42%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3194, 0.3955, 0.4176 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 30.3194, 0.3955, 0.4176 by changing the saturation by 10% instead.




 30.3194, 0.3955,  
0.4176


 30.3194, 0.3955,  
0.4176


303.3904, 0.3523,  
0.3713


 20.0811, 0.4064,  
0.4293


 60.1669, 0.3796,  
0.4005


 12.4540, 0.4201,  
0.4441


 80.5450, 0.3737,  
0.3942


 7.0537, 0.4373,  
0.4628


 105.0718, 0.3687,  
0.3888

 3.4957, 0.4693,  
0.4974

 134.1317, 0.3644,  
0.3842

 1.3957, 0.4848,  
0.5152

 168.1091, 0.3608,  
0.3803

 0.2135, 0.4750,  
0.5250

207.3884, 0.3576,

 0.0000, 0.0000,

0.3769

0.0000

252.3541, 0.3548,  
0.3739

■ 30.3194, 0.3955,  
0.4176

■ 30.3194, 0.3955,  
0.4176

■ 28.7234, 0.4141,  
0.4338

■ 32.0352, 0.3767,  
0.3996

■ 27.2380, 0.4317,  
0.4471

■ 33.8712, 0.3584,  
0.3808

■ 25.8586, 0.4475,  
0.4566

■ 35.8333, 0.3410,  
0.3618

■ 24.5788, 0.4608,  
0.4616

■ 37.9253, 0.3247,  
0.3432

■ 23.3880, 0.4714,  
0.4622

■ 40.1512, 0.3097,  
0.3254

■ 23.1498, 0.4736,  
0.4622

■ 42.5146, 0.2961,  
0.3087

■ 45.0189, 0.2839,  
0.2931

■ 47.6674, 0.2728,  
0.2787

■ 50.4632, 0.2629,  
0.2655

# Harmonies

## Analogous

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



30.3194, 0.4218, 0.3830



30.3194, 0.3955, 0.4176



30.3194, 0.3480, 0.4302

# Triad

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



30.3194, 0.3955, 0.4176



30.3194, 0.2186, 0.3035



30.3194, 0.3250, 0.2644

# Complementary

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



30.3194, 0.3955, 0.4176



15.8772, 0.2305, 0.2197

# 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.



30.3194, 0.2710, 0.2446



30.3194, 0.3955, 0.4176



30.3194, 0.2138, 0.2625

# Square

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



30.3194, 0.3955, 0.4176



30.3194, 0.2466, 0.3590



30.3194, 0.2319, 0.2431



30.3194, 0.3799, 0.2982



# Rectangle

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



30.3194, 0.3955, 0.4176



30.3194, 0.3115, 0.4200



30.3194, 0.2319, 0.2431



30.3194, 0.3060, 0.2560

# Sweetspot

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



30.3208, 0.3955, 0.4176



65.5203, 0.3348, 0.3548



16.5316, 0.4058, 0.2962



14.1139, 0.3383, 0.3587



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.



30.3208, 0.3955, 0.4176



51.1328, 0.4161, 0.4354



35.5781, 0.3627, 0.4520



8.4396, 0.3268, 0.3456



17.3411, 0.4729, 0.4627



0.4977, 0.4518, 0.4794



# Inverse Universe

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



15.8772, 0.2305, 0.2197



22.1008, 0.2104, 0.1891



12.9629, 0.2427, 0.1883



7.6051, 0.2986, 0.3118



3.5438, 0.1593, 0.0934



0.1668, 0.1772, 0.1578



# Previews

## White Background



This preview shows how the Yxy color 30.3194, 0.3955, 0.4176 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 30.3194, 0.3955, 0.4176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

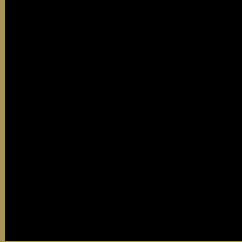
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.3194, 0.3955, 0.4176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.3194, 0.3955, 0.4176.



This preview shows how white text looks on a background with the Yxy color 30.3194, 0.3955, 0.4176.

# 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

30.3194, 0.3955, 0.4176

### Protanopia

30.4265, 0.3876, 0.4209

### Deuteranopia

30.3113, 0.4128, 0.4047



## Tritanopia

30.1045, 0.3396, 0.3132

# Trichromacy



## Original Color

30.3194, 0.3955, 0.4176

## Protanomaly

30.3232, 0.3905, 0.4188

## Deuteranomaly

30.3192, 0.4057, 0.4092

## Tritanomaly

30.0877, 0.3614, 0.3513

# Monochromacy



## Original Color

30.3194, 0.3955, 0.4176

## Achromatopsia

29.1771, 0.3127, 0.3290

## Achromatomaly

29.3424, 0.3422, 0.3622

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.3194, 0.3955, 0.4176 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(169, 148, 88)` looks like.

```
.text, #text, p{  
    color:rgb(169, 148, 88)  
}
```

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(169, 148, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 148, 88) }
```

## Border

The CSS property to change the border of an element to Yxy 30.3194, 0.3955, 0.4176 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(169, 148, 88) }
```

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

```
.border{ border-color:rgb(169, 148, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 148, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 148, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 148, 88);  
box-shadow:4px 4px 4px 4px rgb(169, 148,  
88) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.3194, 0.3955, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 148, 88) }
```

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

```
.background{ background-color: rgb(169,  
148, 88) }
```

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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