

Converting Colors

$Y_{xy}(30.8000, 0.3984, 0.4068)$

Have a look what the booklet for
Yxy(30.8000, 0.3984, 0.4068)
contains.

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Color

Yxy(30.7717, 0.3982, 0.4072)

Conversions

Conversions Part 1

Format	Color
Hex	AF935D
RGB	175, 147, 93
RGB Percent	69%, 58%, 36%
CMY	0.3136, 0.4235, 0.6354
CMYK	0.00, 0.16, 0.47, 0.31
HSL	40°, 34%, 53%
HSV	40°, 47%, 69%
XYZ	30.0916, 30.7717, 14.7057
YIQ	149.2160, 34.0220, -10.8580

Conversions

Conversions Part 2

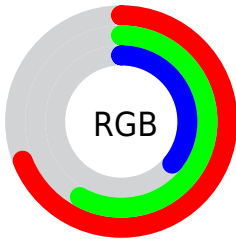
Format	Color
RYB	136, 175, 93
Decimal	11506525
CIELab	62.31, 3.22, 32.41
CIELCh	62, 32.570, 84.333
Yxy	30.7717, 0.3982, 0.4072
Android (android.graphics.Color)	4289696605 (0xFFAF935D)
YUV	149.2160, -27.7145, 22.6126
Hunter-Lab	55.4722, -0.2470, 23.1128

Details

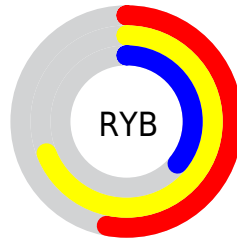
The Yxy color **30.7717, 0.3982, 0.4072** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.0991, 0.2344, 0.2345**, and the grayscale version is **30.2598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9427, 0.3815, 0.3927**, and **12.8038, 0.4250, 0.4307** is the 20% darker color. If you saturate the color by 10%, you get **28.6864, 0.4193, 0.4221**, and if you desaturate by 10%, it is **33.0275, 0.3776, 0.3907**.

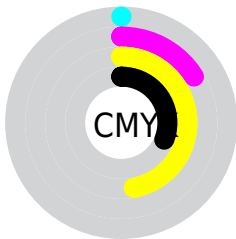
Distribution



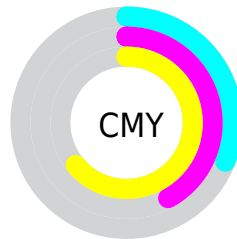
- Red (69%)
- Green (58%)
- Blue (36%)



- Red (53%)
- Yellow (69%)
- Blue (36%)



- Cyan (0%)
- Magenta (16%)
- Yellow (47%)
- Black (31%)





- Cyan (31%)
- Magenta (42%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7717, 0.3982, 0.4072 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 30.7717, 0.3982, 0.4072 by changing the saturation by 10% instead.


 30.7717, 0.3982,
0.4072


 30.7717, 0.3982,
0.4072


305.4852, 0.3533,
0.3668


 20.4251, 0.4097,
0.4173


 60.8805, 0.3815,
0.3924


 12.7044, 0.4245,
0.4299


 81.4114, 0.3754,
0.3869

 7.2253, 0.4436,
0.4457


 106.1058, 0.3702,
0.3822

 3.6034, 0.4740,
0.4707

 135.3482, 0.3658,
0.3782

 1.4543, 0.5068,
0.4932

169.5230, 0.3620,
0.3748

 0.2562, 0.5569,
0.4431

209.0144, 0.3587,

 0.0000, 0.0000,

0.3718

0.0000

254.2070, 0.3558,
0.3691

■ 30.7717, 0.3982,
0.4072

■ 30.7717, 0.3982,
0.4072

■ 28.6864, 0.4193,
0.4221

■ 33.0275, 0.3776,
0.3907

■ 26.7609, 0.4401,
0.4343

■ 35.4554, 0.3580,
0.3736

■ 24.9897, 0.4596,
0.4428

■ 38.0622, 0.3398,
0.3565

■ 23.3647, 0.4767,
0.4467

■ 40.8531, 0.3232,
0.3399

■ 21.8753, 0.4908,
0.4458

■ 43.8331, 0.3082,
0.3242

■ 21.4313, 0.4951,
0.4451

■ 47.0066, 0.2948,
0.3094

■ 50.3783, 0.2828,
0.2957

■ 53.9523, 0.2721,
0.2831

■ 57.7327, 0.2627,
0.2715

Harmonies

Analogous

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



30.7717, 0.4170, 0.3723



30.7717, 0.3982, 0.4072



30.7717, 0.3568, 0.4240

Triad

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



30.7717, 0.3982, 0.4072



30.7717, 0.2276, 0.3157



30.7717, 0.3130, 0.2626

Complementary

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



30.7717, 0.3982, 0.4072



19.0991, 0.2344, 0.2345

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.



30.7717, 0.2642, 0.2472



30.7717, 0.3982, 0.4072



30.7717, 0.2182, 0.2731

Square

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



30.7717, 0.3982, 0.4072



30.7717, 0.2586, 0.3683



30.7717, 0.2309, 0.2500



30.7717, 0.3659, 0.2924

Rectangle

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



30.7717, 0.3982, 0.4072



30.7717, 0.3228, 0.4188



30.7717, 0.2309, 0.2500



30.7717, 0.2956, 0.2557

Sweetspot

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



30.7732, 0.3982, 0.4072



69.4321, 0.3353, 0.3521



18.3402, 0.3923, 0.2867



15.2019, 0.3389, 0.3557



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



30.7732, 0.3982, 0.4072



51.3286, 0.4195, 0.4222



39.2145, 0.3686, 0.4467



8.8624, 0.3271, 0.3439



15.4613, 0.4940, 0.4459



0.5263, 0.4664, 0.4679

Inverse Universe

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



19.0991, 0.2344, 0.2345



27.9712, 0.2170, 0.2096



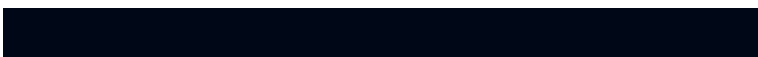
13.9430, 0.2373, 0.1889



8.1878, 0.2986, 0.3137



4.6187, 0.1647, 0.1128



0.2318, 0.1825, 0.1768

Previews

White Background



This preview shows how the Yxy color 30.7717, 0.3982, 0.4072 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 30.7717, 0.3982, 0.4072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

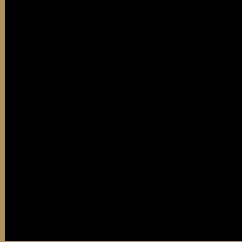
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7717, 0.3982, 0.4072

Background



This preview shows how black text looks on a background with the Yxy color 30.7717, 0.3982, 0.4072.



This preview shows how white text looks on a background with the Yxy color 30.7717, 0.3982, 0.4072.

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

30.7717, 0.3982, 0.4072

Protanopia

30.8339, 0.3823, 0.4151

Deuteranopia

30.6998, 0.4071, 0.3995



Tritanopia

30.8143, 0.3462, 0.3136

Trichromacy



Original Color

30.7717, 0.3982, 0.4072

Protanomaly

30.9457, 0.3874, 0.4123

Deuteranomaly

30.6427, 0.4030, 0.4018

Tritanomaly

30.8403, 0.3660, 0.3479

Monochromacy



Original Color

30.7717, 0.3982, 0.4072

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.0339, 0.3422, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7717, 0.3982, 0.4072 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(175, 147, 93)` looks like.

```
.text, #text, p{  
    color:rgb(175, 147, 93)  
}
```

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(175, 147, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 147, 93) }
```

Border

The CSS property to change the border of an element to Yxy 30.7717, 0.3982, 0.4072 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(175, 147, 93) }
```

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

```
.border{ border-color:rgb(175, 147, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 147, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 147, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 147, 93);  
box-shadow:4px 4px 4px 4px rgb(175, 147,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7717, 0.3982, 0.4072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 147, 93) }
```

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

```
.background{ background-color: rgb(175,  
147, 93) }
```

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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