

Converting Colors

$Y_{xy}(32.7427, 0.3792, 0.4165)$

Have a look what the booklet for
Yxy(32.7427, 0.3792, 0.4165)
contains.

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Color

Yxy(32.7470, 0.3789, 0.4167)

Conversions

Conversions Part 1

Format	Color
Hex	A69C61
RGB	166, 156, 97
RGB Percent	65%, 61%, 38%
CMY	0.3489, 0.3883, 0.6196
CMYK	0.00, 0.06, 0.42, 0.35
HSL	51°, 28%, 52%
HSV	51°, 42%, 65%
XYZ	29.7764, 32.7470, 16.0631
YIQ	152.2640, 24.8990, -16.2290

Conversions

Conversions Part 2

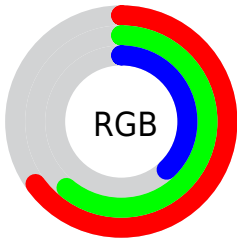
Format	Color
RYB	109, 166, 97
Decimal	10919009
CIELab	63.96, -5.05, 32.18
CIELCh	64, 32.570, 98.922
Yxy	32.7470, 0.3789, 0.4167
Android (android.graphics.Color)	4289109089 (0xFFA69C61)
YUV	152.2640, -27.2452, 12.0465
Hunter-Lab	57.2250, -7.2631, 23.4148

Details

The Yxy color **32.7470, 0.3789, 0.4167** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.8203, 0.2401, 0.2224**, and the grayscale version is **31.6338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7609, 0.3668, 0.3997**, and **13.8356, 0.3983, 0.4438** is the 20% darker color. If you saturate the color by 10%, you get **31.6687, 0.3950, 0.4361**, and if you desaturate by 10%, it is **33.9092, 0.3624, 0.3958**.

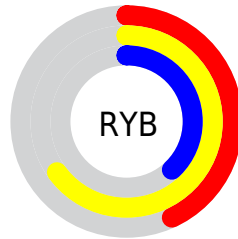
Distribution



Red (65%)

Green (61%)

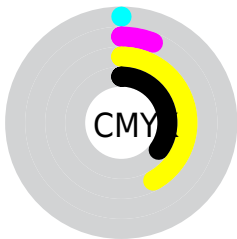
Blue (38%)



Red (43%)

Yellow (65%)

Blue (38%)

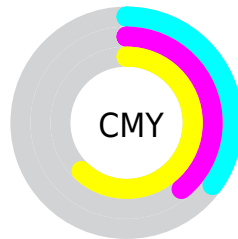


Cyan (0%)

Magenta (6%)

Yellow (42%)

Black (35%)



Cyan (35%)


Magenta (39%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7470, 0.3789, 0.4167 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 32.7470, 0.3789, 0.4167 by changing the saturation by 10% instead.


 32.7470, 0.3789,
0.4167


 32.7470, 0.3789,
0.4167


314.5082, 0.3449,
0.3705


 21.9327, 0.3873,
0.4287


 63.9803, 0.3665,
0.3995


 13.8075, 0.3979,
0.4441


 85.1682, 0.3618,
0.3931

 7.9869, 0.4112,
0.4645


 110.5826, 0.3579,
0.3878

 4.0865, 0.4292,
0.4937

 140.6081, 0.3546,
0.3833

 1.7221, 0.4575,
0.5425

175.6290, 0.3516,
0.3794

 0.4379, 0.4008,
0.5992

216.0297, 0.3491,

 0.0000, 0.0000,

0.3761

0.0000

262.1946, 0.3469,
0.3731

■ 32.7470, 0.3789,
0.4167

■ 32.7470, 0.3789,
0.4167

■ 31.6687, 0.3950,
0.4361

■ 33.9092, 0.3624,
0.3958

■ 30.6656, 0.4099,
0.4530

■ 35.1547, 0.3459,
0.3743

■ 29.7346, 0.4231,
0.4666

■ 36.4884, 0.3301,
0.3529


■ 28.8705, 0.4339,
0.4762


■ 37.9137, 0.3150,
0.3322

■ 28.0670, 0.4420,
0.4813


■ 39.4336, 0.3009,
0.3124

 27.4249, 0.4472,
0.4831

 41.0512, 0.2880,
0.2939

 42.7691, 0.2762,
0.2767

 44.5901, 0.2655,
0.2609

 46.5168, 0.2558,
0.2464

Harmonies

Analogous

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



32.7470, 0.4094, 0.3896



32.7470, 0.3789, 0.4167



32.7470, 0.3319, 0.4196

Triad

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



32.7470, 0.3789, 0.4167



32.7470, 0.2220, 0.2937



32.7470, 0.3388, 0.2766

Complementary

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



32.7470, 0.3789, 0.4167



15.8203, 0.2401, 0.2224

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.



32.7470, 0.2871, 0.2540



32.7470, 0.3789, 0.4167



32.7470, 0.2234, 0.2607

Square

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



32.7470, 0.3789, 0.4167



32.7470, 0.2425, 0.3423



32.7470, 0.2460, 0.2478



32.7470, 0.3863, 0.3110

Rectangle

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



32.7470, 0.3789, 0.4167



32.7470, 0.2981, 0.4041



32.7470, 0.2460, 0.2478



32.7470, 0.3211, 0.2675

Sweetspot

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



32.7485, 0.3789, 0.4167



66.0369, 0.3311, 0.3543



17.7305, 0.4004, 0.3130



14.7091, 0.3330, 0.3570



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.



32.7485, 0.3789, 0.4167



57.5770, 0.3939, 0.4349



33.8845, 0.3486, 0.4386



8.5852, 0.3265, 0.3481



21.3120, 0.4469, 0.4833



0.5675, 0.4366, 0.4916

Inverse Universe

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



15.8203, 0.2401, 0.2224



22.6553, 0.2216, 0.1935



15.3826, 0.2630, 0.2122



7.4700, 0.2986, 0.3091



2.6897, 0.1538, 0.0737



0.1163, 0.1666, 0.1195

Previews

White Background



This preview shows how the Yxy color 32.7470, 0.3789, 0.4167 looks on a white background.

Color Contrast Check

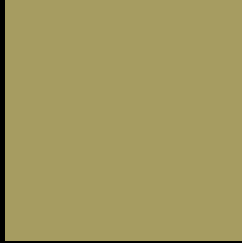
Large Text (above 18pt) WCAG AA × Fail

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 32.7470, 0.3789, 0.4167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

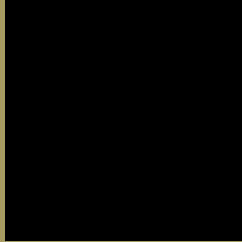
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7470, 0.3789, 0.4167

Background



This preview shows how black text looks on a background with the Yxy color 32.7470, 0.3789, 0.4167.



This preview shows how white text looks on a background with the Yxy color 32.7470, 0.3789, 0.4167.

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

32.7470, 0.3789, 0.4167

Protanopia

32.7408, 0.3827, 0.4144

Deuteranopia

32.6455, 0.4049, 0.3965



Tritanopia

32.6021, 0.3269, 0.3119

Trichromacy



Original Color

32.7470, 0.3789, 0.4167

Protanomaly

32.6306, 0.3816, 0.4147

Deuteranomaly

32.5988, 0.3952, 0.4043

Tritanomaly

32.4854, 0.3462, 0.3497

Monochromacy



Original Color

32.7470, 0.3789, 0.4167

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.6165, 0.3369, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7470, 0.3789, 0.4167 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(166, 156, 97)` looks like.

```
.text, #text, p{  
    color:rgb(166, 156, 97)  
}
```

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(166, 156, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 156, 97) }
```

Border

The CSS property to change the border of an element to Yxy 32.7470, 0.3789, 0.4167 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(166, 156, 97) }
```

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

```
.border{ border-color:rgb(166, 156, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 156, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 156, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 156, 97);  
box-shadow:4px 4px 4px 4px rgb(166, 156,  
97) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.7470, 0.3789, 0.4167$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 156, 97) }
```

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

```
.background{ background-color: rgb(166,  
156, 97) }
```

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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