

Converting Colors

$Y_{xy}(30.7298, 0.4071, 0.4371)$

Have a look what the booklet for
Yxy(30.7298, 0.4071, 0.4371)
contains.

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Color

Yxy(30.8532, 0.4074, 0.4377)

Conversions

Conversions Part 1

Format	Color
Hex	AA964A
RGB	170, 150, 74
RGB Percent	67%, 59%, 29%
CMY	0.3334, 0.4117, 0.7098
CMYK	0.00, 0.12, 0.56, 0.33
HSL	48°, 39%, 48%
HSV	48°, 56%, 67%
XYZ	28.7174, 30.8532, 10.9188
YIQ	147.3160, 36.3160, -19.3960

Conversions

Conversions Part 2

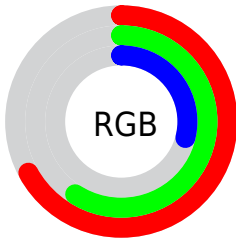
Format	Color
R _Y B	99, 170, 74
Decimal	11179594
CIE Lab	62.38, -2.35, 42.23
CIE LCh	62, 42.291, 93.185
Yxy	30.8532, 0.4074, 0.4377
Android (android.graphics.Color)	4289369674 (0xFFAA964A)
YUV	147.3160, -36.1448, 19.8939
Hunter-Lab	55.5457, -4.9195, 27.2271

Details

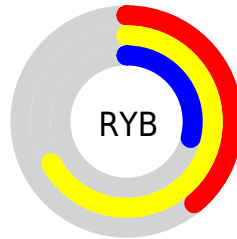
The Yxy color **30.8532, 0.4074, 0.4377** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.3571, 0.2130, 0.1869**, and the grayscale version is **29.4565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9973, 0.3898, 0.4174**, and **12.8251, 0.4314, 0.4692** is the 20% darker color. If you saturate the color by 10%, you get **29.5436, 0.4235, 0.4523**, and if you desaturate by 10%, it is **32.2617, 0.3901, 0.4203**.

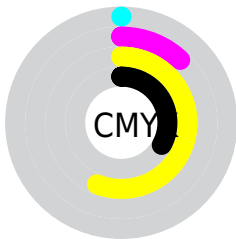
Distribution



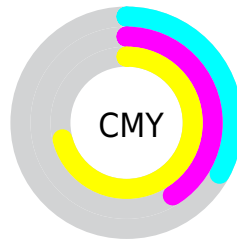
- Red (67%)
- Green (59%)
- Blue (29%)



- Red (39%)
- Yellow (67%)
- Blue (29%)



- Cyan (0%)
- Magenta (12%)
- Yellow (56%)
- Black (33%)




- Cyan (33%)
- Magenta (41%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8532, 0.4074, 0.4377 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 30.8532, 0.4074, 0.4377 by changing the saturation by 10% instead.


 30.8532, 0.4074,
0.4377


 30.8532, 0.4074,
0.4377


305.8614, 0.3592,
0.3816

 20.4871, 0.4188,
0.4513


 61.0089, 0.3901,
0.4173


 12.7496, 0.4324,
0.4679


 81.5672, 0.3835,
0.4096

 7.2564, 0.4482,
0.4878


 106.2918, 0.3779,
0.4031

 3.6229, 0.4766,
0.5234

 135.5669, 0.3731,
0.3975

 1.4650, 0.4728,
0.5272

 169.7771, 0.3689,
0.3927

 0.2639, 0.4230,
0.5770

209.3066, 0.3652,

 0.0000, 0.0000,

0.3885

0.0000

254.5399, 0.3620,
0.3848

■ 30.8532, 0.4074,
0.4377

■ 30.8532, 0.4074,
0.4377

■ 29.5436, 0.4235,
0.4523

■ 32.2617, 0.3901,
0.4203

■ 28.3232, 0.4377,
0.4631

■ 33.7695, 0.3725,
0.4012

■ 27.1871, 0.4494,
0.4696

■ 35.3825, 0.3550,
0.3812

■ 26.1268, 0.4584,
0.4716

■ 37.1049, 0.3382,
0.3610

■ 25.7645, 0.4613,
0.4719

■ 38.9403, 0.3224,
0.3413

■ 40.8924, 0.3077,
0.3225

■ 42.9646, 0.2942,
0.3047

■ 45.1600, 0.2820,
0.2882

■ 47.4818, 0.2710,
0.2730

Harmonies

Analogous

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



30.8532, 0.4433, 0.3955



30.8532, 0.4074, 0.4377



30.8532, 0.3482, 0.4533

Triad

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



30.8532, 0.4074, 0.4377



30.8532, 0.1987, 0.2914



30.8532, 0.3328, 0.2548

Complementary

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



30.8532, 0.4074, 0.4377



12.3571, 0.2130, 0.1869

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.



30.8532, 0.2667, 0.2300



30.8532, 0.4074, 0.4377



30.8532, 0.1958, 0.2452

Square

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



30.8532, 0.4074, 0.4377



30.8532, 0.2288, 0.3593



30.8532, 0.2190, 0.2256



30.8532, 0.3996, 0.2953

Rectangle

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



30.8532, 0.4074, 0.4377



30.8532, 0.3042, 0.4393



30.8532, 0.2190, 0.2256



30.8532, 0.3095, 0.2445

Sweetspot

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



30.8547, 0.4074, 0.4377



67.0665, 0.3396, 0.3627



14.2636, 0.4413, 0.2986



14.8183, 0.3428, 0.3666



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.8547, 0.4074, 0.4377



52.9864, 0.4277, 0.4557



35.0588, 0.3646, 0.4752



8.5048, 0.3267, 0.3468



19.0380, 0.4608, 0.4724



0.5281, 0.4448, 0.4850

Inverse Universe

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



12.3571, 0.2130, 0.1869



16.1836, 0.1907, 0.1502



10.5762, 0.2324, 0.1629



7.5441, 0.2986, 0.3106



3.1033, 0.1565, 0.0834



0.1441, 0.1726, 0.1414

Previews

White Background



This preview shows how the Yxy color 30.8532, 0.4074, 0.4377 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 30.8532, 0.4074, 0.4377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

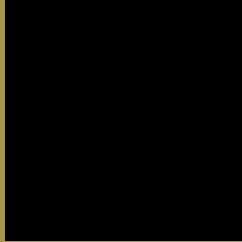
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8532, 0.4074, 0.4377

Background



This preview shows how black text looks on a background with the Yxy color 30.8532, 0.4074, 0.4377.



This preview shows how white text looks on a background with the Yxy color 30.8532, 0.4074, 0.4377.

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

30.8532, 0.4074, 0.4377

Protanopia

30.8431, 0.4033, 0.4405

Deuteranopia

30.9074, 0.4285, 0.4201



Tritanopia

30.6639, 0.3405, 0.3134

Trichromacy



Original Color

30.8532, 0.4074, 0.4377

Protanomaly

30.9525, 0.4044, 0.4399

Deuteranomaly

30.7691, 0.4210, 0.4265

Tritanomaly

30.4004, 0.3665, 0.3586

Monochromacy



Original Color

30.8532, 0.4074, 0.4377

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.5044, 0.3480, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8532, 0.4074, 0.4377 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(170, 150, 74)` looks like.

```
.text, #text, p{  
  color:rgb(170, 150, 74)  
}
```

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(170, 150, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 150, 74) }
```

Border

The CSS property to change the border of an element to Yxy 30.8532, 0.4074, 0.4377 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(170, 150, 74) }
```

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

```
.border{ border-color:rgb(170, 150, 74) }
```

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

Here you see how a box with a 4 pixel rgb(170, 150, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 150, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 150, 74);  
box-shadow:4px 4px 4px 4px rgb(170, 150,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8532, 0.4074, 0.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 150, 74) }
```

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

```
.background{ background-color: rgb(170,  
150, 74) }
```

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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