

Converting Colors

$Y_{xy}(30.8737, 0.4174, 0.4571)$

Have a look what the booklet for
Yxy(30.8737, 0.4174, 0.4571)
contains.

Yxy(30.8737, 0.4174, 0.4571)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.8737, 0.4174, 0.4571)

Conversions

Conversions Part 1

Format	Color
Hex	A9973A
RGB	169, 151, 58
RGB Percent	66%, 59%, 23%
CMY	0.3373, 0.4078, 0.7725
CMYK	0.00, 0.11, 0.66, 0.34
HSL	50°, 49%, 45%
HSV	50°, 66%, 66%
XYZ	28.1923, 30.8737, 8.4766
YIQ	145.7800, 40.5810, -25.1070

Conversions

Conversions Part 2

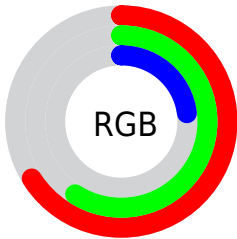
Format	Color
RYB	79, 169, 58
Decimal	11114298
CIELab	62.40, -4.48, 49.78
CIELCh	62, 49.977, 95.146
Yxy	30.8737, 0.4174, 0.4571
Android (android.graphics.Color)	4289304378 (0xFFA9973A)
YUV	145.7800, -43.2755, 20.3639
Hunter-Lab	55.5641, -6.6694, 29.8499

Details

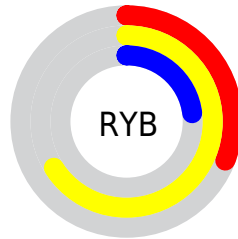
The Yxy color **30.8737, 0.4174, 0.4571** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.9327, 0.1945, 0.1512**, and the grayscale version is **28.8187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1193, 0.3994, 0.4334**, and **12.6918, 0.4416, 0.4875** is the 20% darker color. If you saturate the color by 10%, you get **29.8588, 0.4302, 0.4689**, and if you desaturate by 10%, it is **31.9685, 0.4026, 0.4416**.

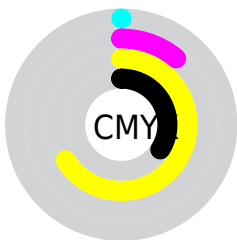
Distribution



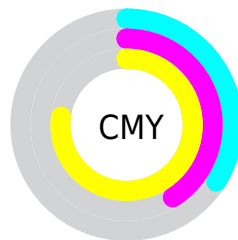
- Red (66%)
- Green (59%)
- Blue (23%)



- Red (31%)
- Yellow (66%)
- Blue (23%)



- Cyan (0%)
- Magenta (11%)
- Yellow (66%)
- Black (34%)



- Cyan (34%)
- Magenta (41%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8737, 0.4174, 0.4571 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 30.8737, 0.4174, 0.4571 by changing the saturation by 10% instead.

■ 30.8737, 0.4174,
0.4571

■ 30.8737, 0.4174,
0.4571

■ 305.9560, 0.3655,
0.3918

■ 20.5027, 0.4286,
0.4722

■ 61.0412, 0.3994,
0.4339

■ 12.7610, 0.4412,
0.4899

■ 81.6064, 0.3924,
0.4249

■ 7.2642, 0.4569,
0.5131

■ 106.3385, 0.3863,
0.4173

■ 3.6278, 0.4668,
0.5332

■ 135.6219, 0.3810,
0.4107

■ 1.4676, 0.4594,
0.5406

■ 169.8410, 0.3764,
0.4050

■ 0.2658, 0.3501,
0.6499

■ 209.3801, 0.3723,

■ 0.0000, 0.0000,

0.4001

0.0000

254.6236, 0.3687,
0.3957

■ 30.8737, 0.4174,
0.4571

■ 30.8737, 0.4174,
0.4571

■ 29.8588, 0.4302,
0.4689

■ 31.9685, 0.4026,
0.4416

■ 28.9135, 0.4405,
0.4764

■ 33.1438, 0.3865,
0.4234

■ 28.0316, 0.4480,
0.4795

■ 34.4058, 0.3697,
0.4033

■ 27.6626, 0.4509,
0.4802

■ 35.7587, 0.3530,
0.3823

■ 37.2061, 0.3366,
0.3611

■ 38.7518, 0.3211,
0.3404

■ 40.3991, 0.3066,
0.3206

■ 42.1512, 0.2932,
0.3019

■ 44.0110, 0.2809,
0.2845

Harmonies

Analogous

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



30.8737, 0.4633, 0.4068



30.8737, 0.4174, 0.4571



30.8737, 0.3470, 0.4767

Triad

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



30.8737, 0.4174, 0.4571



30.8737, 0.1799, 0.2787



30.8737, 0.3410, 0.2459

Complementary

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



30.8737, 0.4174, 0.4571



8.9327, 0.1945, 0.1512

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.



30.8737, 0.2629, 0.2165



30.8737, 0.4174, 0.4571



30.8737, 0.1791, 0.2284

Square

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



30.8737, 0.4174, 0.4571



30.8737, 0.2112, 0.3584



30.8737, 0.2070, 0.2093



30.8737, 0.4198, 0.2924

Rectangle

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



30.8737, 0.4174, 0.4571



30.8737, 0.2959, 0.4589



30.8737, 0.2070, 0.2093



30.8737, 0.3135, 0.2339

Sweetspot

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



30.8752, 0.4174, 0.4571



65.4011, 0.3442, 0.3710



11.9902, 0.4870, 0.3042



14.1039, 0.3486, 0.3767



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.



30.8752, 0.4174, 0.4571



52.6600, 0.4354, 0.4730



33.5862, 0.3638, 0.4994



8.5637, 0.3266, 0.3478



20.6829, 0.4505, 0.4805



0.5567, 0.4387, 0.4899

Inverse Universe

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



8.9327, 0.1945, 0.1512



10.6283, 0.1719, 0.1113



8.3241, 0.2227, 0.1384



7.4898, 0.2986, 0.3095



2.7872, 0.1545, 0.0760



0.1237, 0.1682, 0.1256

Previews

White Background



This preview shows how the Yxy color 30.8737, 0.4174, 0.4571 looks on a white background.

Color Contrast Check

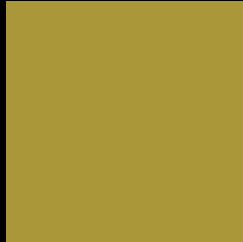
Large Text (above 18pt) WCAG AA × Fail

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 30.8737, 0.4174, 0.4571 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 30.8737, 0.4174, 0.4571

Background



This preview shows how black text looks on a background with the Yxy color 30.8737, 0.4174, 0.4571.



This preview shows how white text looks on a background with the Yxy color 30.8737, 0.4174, 0.4571.

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

30.8737, 0.4174, 0.4571

Protanopia

30.7635, 0.4163, 0.4577

Deuteranopia

30.9641, 0.4435, 0.4356



Tritanopia

30.6639, 0.3405, 0.3134

Trichromacy



Original Color

30.8737, 0.4174, 0.4571

Protanomaly

30.7635, 0.4163, 0.4577

Deuteranomaly

31.0070, 0.4337, 0.4441

Tritanomaly

30.5575, 0.3725, 0.3690

Monochromacy



Original Color

30.8737, 0.4174, 0.4571

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.2647, 0.3530, 0.3832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8737, 0.4174, 0.4571 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, 151, 58)` looks like.

```
.text, #text, p{  
    color:rgb(169, 151, 58)  
}
```

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, 151, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 151, 58) }
```

Border

The CSS property to change the border of an element to Yxy 30.8737, 0.4174, 0.4571 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, 151, 58) }
```

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

```
.border{ border-color:rgb(169, 151, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 151, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 151, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 151, 58);  
box-shadow:4px 4px 4px 4px rgb(169, 151,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8737, 0.4174, 0.4571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 151, 58) }
```

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

```
.background{ background-color: rgb(169,  
151, 58) }
```

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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