

Converting Colors

$Y_{xy}(29.7453, 0.4242, 0.4607)$

Have a look what the booklet for
Yxy(29.7453, 0.4242, 0.4607)
contains.

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Color

$\text{Yxy}(29.7437, 0.4237, 0.4611)$

Conversions

Conversions Part 1

Format	Color
Hex	A89433
RGB	168, 148, 51
RGB Percent	66%, 58%, 20%
CMY	0.3413, 0.4195, 0.8000
CMYK	0.00, 0.12, 0.70, 0.34
HSL	50°, 53%, 43%
HSV	50°, 70%, 66%
XYZ	27.3312, 29.7437, 7.4311
YIQ	142.9220, 43.0570, -25.9270

Conversions

Conversions Part 2

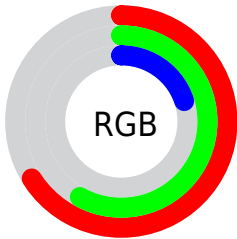
Format	Color
R_{YB}	75, 168, 51
Decimal	11047987
CIE _{Lab}	61.43, -3.74, 51.77
CIE _{LCh}	61, 51.907, 94.130
Yxy	29.7437, 0.4237, 0.4611
Android (android.graphics.Color)	4289238067 (0xFFA89433)
YUV	142.9220, -45.3175, 21.9934
Hunter-Lab	54.5378, -5.9873, 30.0978

Details

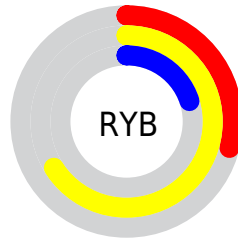
The Yxy color **29.7437, 0.4237, 0.4611** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.0293, 0.1883, 0.1415**, and the grayscale version is **27.6061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3891, 0.4047, 0.4376**, and **12.1801, 0.4420, 0.4872** is the 20% darker color. If you saturate the color by 10%, you get **28.7348, 0.4358, 0.4711**, and if you desaturate by 10%, it is **30.8312, 0.4093, 0.4471**.

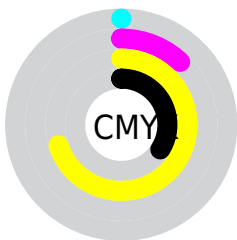
Distribution



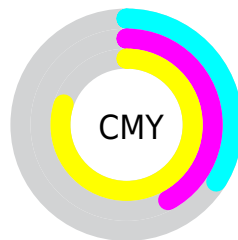
- Red (66%)
- Green (58%)
- Blue (20%)



- Red (29%)
- Yellow (66%)
- Blue (20%)



- Cyan (0%)
- Magenta (12%)
- Yellow (70%)
- Black (34%)



- Cyan (34%)
- Magenta (42%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7437, 0.4237, 0.4611 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 29.7437, 0.4237, 0.4611 by changing the saturation by 10% instead.


 29.7437, 0.4237,
0.4611


 29.7437, 0.4237,
0.4611


300.7079, 0.3688,
0.3941


 19.6441, 0.4353,
0.4762


 59.2566, 0.4048,
0.4375

 12.1366, 0.4481,
0.4935


 79.4388, 0.3973,
0.4283


 6.8368, 0.4674,
0.5197


 103.7505, 0.3908,
0.4204

 3.3602, 0.4698,
0.5302

 132.5764, 0.3852,
0.4137

 1.3226, 0.4633,
0.5367

 166.3006, 0.3803,
0.4078

 0.1586, 0.2727,
0.7273

 205.3077, 0.3760,

 0.0000, 0.0000,

0.4026

0.0000

249.9820, 0.3722,
0.3981

■ 29.7437, 0.4237,
0.4611

■ 29.7437, 0.4237,
0.4611

■ 28.7348, 0.4358,
0.4711

■ 30.8312, 0.4093,
0.4471

■ 27.7941, 0.4453,
0.4767

■ 31.9984, 0.3934,
0.4300

■ 26.9097, 0.4525,
0.4787

■ 33.2514, 0.3767,
0.4106

■ 26.8787, 0.4527,
0.4787

■ 34.5945, 0.3597,
0.3901

■ 36.0316, 0.3431,
0.3691

■ 37.5665, 0.3272,
0.3483

■ 39.2024, 0.3122,
0.3283

■ 40.9426, 0.2984,
0.3093

■ 42.7901, 0.2857,
0.2916

Harmonies

Analogous

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



29.7437, 0.4711, 0.4071



29.7437, 0.4237, 0.4611



29.7437, 0.3504, 0.4849

Triad

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



29.7437, 0.4237, 0.4611



29.7437, 0.1748, 0.2780



29.7437, 0.3392, 0.2410

Complementary

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



29.7437, 0.4237, 0.4611



8.0293, 0.1883, 0.1415

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.



29.7437, 0.2579, 0.2111



29.7437, 0.4237, 0.4611



29.7437, 0.1731, 0.2248

Square

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



29.7437, 0.4237, 0.4611



29.7437, 0.2080, 0.3628



29.7437, 0.2008, 0.2044



29.7437, 0.4228, 0.2886

Rectangle

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



29.7437, 0.4237, 0.4611



29.7437, 0.2971, 0.4682



29.7437, 0.2008, 0.2044



29.7437, 0.3104, 0.2287

Sweetspot

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



29.7451, 0.4237, 0.4611



64.9427, 0.3459, 0.3727



11.1620, 0.4995, 0.3012



14.0032, 0.3503, 0.3783



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.



29.7451, 0.4237, 0.4611



51.1416, 0.4418, 0.4750



33.0529, 0.3670, 0.5066



8.5528, 0.3266, 0.3476



20.3706, 0.4524, 0.4790



0.5514, 0.4398, 0.4890

Inverse Universe

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



8.0293, 0.1883, 0.1415



9.4458, 0.1664, 0.1014



7.2693, 0.2141, 0.1268



7.4998, 0.2986, 0.3097



2.8401, 0.1548, 0.0773



0.1275, 0.1691, 0.1286

Previews

White Background



This preview shows how the Yxy color 29.7437, 0.4237, 0.4611 looks on a white background.

Color Contrast Check

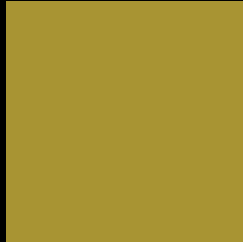
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7437, 0.4237, 0.4611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

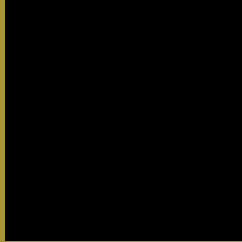
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7437, 0.4237, 0.4611

Background



This preview shows how black text looks on a background with the Yxy color 29.7437, 0.4237, 0.4611.



This preview shows how white text looks on a background with the Yxy color 29.7437, 0.4237, 0.4611.

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

29.7437, 0.4237, 0.4611

Protanopia

29.8409, 0.4205, 0.4635

Deuteranopia

29.6211, 0.4484, 0.4402



Tritanopia

29.5770, 0.3433, 0.3132

Trichromacy



Original Color

29.7437, 0.4237, 0.4611

Protanomaly

29.9494, 0.4216, 0.4629

Deuteranomaly

29.7782, 0.4394, 0.4483

Tritanomaly

29.4225, 0.3781, 0.3723

Monochromacy



Original Color

29.7437, 0.4237, 0.4611

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.0520, 0.3559, 0.3856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7437, 0.4237, 0.4611 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(168, 148, 51)` looks like.

```
.text, #text, p{  
    color:rgb(168, 148, 51)  
}
```

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(168, 148, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 148, 51) }
```

Border

The CSS property to change the border of an element to Yxy 29.7437, 0.4237, 0.4611 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(168, 148, 51) }
```

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

```
.border{ border-color:rgb(168, 148, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 148, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 148, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 148, 51);  
box-shadow:4px 4px 4px 4px rgb(168, 148,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7437, 0.4237, 0.4611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 148, 51) }
```

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

```
.background{ background-color: rgb(168,  
148, 51) }
```

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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