

Converting Colors

$Y_{xy}(29.3965, 0.3978, 0.4162)$

Have a look what the booklet for
Yxy(29.3965, 0.3978, 0.4162)
contains.

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Color

Yxy(29.2637, 0.3974, 0.4154)

Conversions

Conversions Part 1

Format	Color
Hex	A89157
RGB	168, 145, 87
RGB Percent	66%, 57%, 34%
CMY	0.3411, 0.4314, 0.6589
CMYK	0.00, 0.14, 0.48, 0.34
HSL	43°, 32%, 50%
HSV	43°, 48%, 66%
XYZ	27.9957, 29.2637, 13.1877
YIQ	145.2650, 32.3260, -13.1620

Conversions

Conversions Part 2

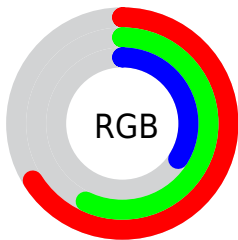
Format	Color
RYB	119, 168, 87
Decimal	11047255
CIELab	61.01, 0.72, 33.83
CIELCh	61, 33.836, 88.781
Yxy	29.2637, 0.3974, 0.4154
Android (android.graphics.Color)	4289237335 (0xFFA89157)
YUV	145.2650, -28.7246, 19.9386
Hunter-Lab	54.0959, -2.2908, 23.4132

Details

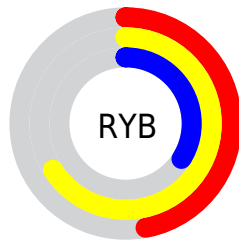
The Yxy color **29.2637, 0.3974, 0.4154** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.0059, 0.2307, 0.2228**, and the grayscale version is **28.5389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6894, 0.3809, 0.3988**, and **11.9083, 0.4233, 0.4423** is the 20% darker color. If you saturate the color by 10%, you get **27.5938, 0.4167, 0.4311**, and if you desaturate by 10%, it is **31.0615, 0.3781, 0.3980**.

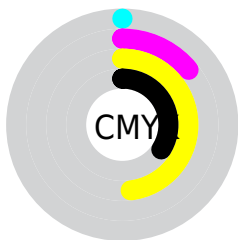
Distribution



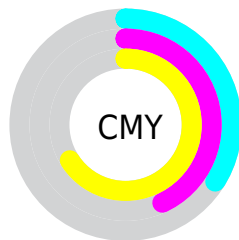
- Red (66%)
- Green (57%)
- Blue (34%)



- Red (47%)
- Yellow (66%)
- Blue (34%)



- Cyan (0%)
- Magenta (14%)
- Yellow (48%)
- Black (34%)




- Cyan (34%)
- Magenta (43%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2637, 0.3974, 0.4154 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 29.2637, 0.3974, 0.4154 by changing the saturation by 10% instead.


 29.2637, 0.3974,
0.4154


 29.2637, 0.3974,
0.4154


298.4571, 0.3529,
0.3701

 19.2804, 0.4088,
0.4269


 58.4958, 0.3809,
0.3987

 11.8731, 0.4231,
0.4413


 78.5134, 0.3748,
0.3925


 6.6573, 0.4415,
0.4596


 102.6445, 0.3696,
0.3872

 3.2487, 0.4781,
0.4963

 131.2736, 0.3653,
0.3828

 1.2629, 0.4919,
0.5081

 164.7850, 0.3615,
0.3790

 0.1122, 0.5254,
0.4746

203.5631, 0.3582,

 0.0000, 0.0000,

0.3756

0.0000

247.9924, 0.3554,
0.3727

■ 29.2637, 0.3974,
0.4154

■ 29.2637, 0.3974,
0.4154

■ 27.5938, 0.4167,
0.4311

■ 31.0615, 0.3781,
0.3980

■ 26.0425, 0.4352,
0.4439

■ 32.9879, 0.3593,
0.3796

■ 24.6053, 0.4519,
0.4529

■ 35.0487, 0.3416,
0.3612

■ 23.2754, 0.4662,
0.4573

■ 37.2481, 0.3252,
0.3432

■ 22.0418, 0.4777,
0.4574

■ 39.5900, 0.3101,
0.3260

■ 21.8297, 0.4797,
0.4573

■ 42.0782, 0.2965,
0.3098

■ 44.7161, 0.2843,
0.2948

■ 47.5072, 0.2733,
0.2809

■ 50.4548, 0.2635,
0.2681

Harmonies

Analogous

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



29.2637, 0.4217, 0.3802



29.2637, 0.3974, 0.4154



29.2637, 0.3512, 0.4297

Triad

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



29.2637, 0.3974, 0.4154



29.2637, 0.2203, 0.3069



29.2637, 0.3213, 0.2631

Complementary

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



29.2637, 0.3974, 0.4154



16.0059, 0.2307, 0.2228

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.



29.2637, 0.2683, 0.2444



29.2637, 0.3974, 0.4154



29.2637, 0.2140, 0.2649

Square

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



29.2637, 0.3974, 0.4154



29.2637, 0.2495, 0.3624



29.2637, 0.2306, 0.2442



29.2637, 0.3764, 0.2960

Rectangle

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



29.2637, 0.3974, 0.4154



29.2637, 0.3150, 0.4210



29.2637, 0.2306, 0.2442



29.2637, 0.3026, 0.2550

Sweetspot

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



29.2651, 0.3974, 0.4154



65.1435, 0.3349, 0.3540



16.2955, 0.4020, 0.2919



14.0205, 0.3384, 0.3578



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.



29.2651, 0.3974, 0.4154



49.8203, 0.4183, 0.4323



35.3543, 0.3656, 0.4514



8.4083, 0.3269, 0.3451



16.5728, 0.4790, 0.4579



0.4836, 0.4554, 0.4766

Inverse Universe

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



16.0059, 0.2307, 0.2228



22.9098, 0.2114, 0.1938



12.5378, 0.2393, 0.1864



7.6347, 0.2986, 0.3124



3.7913, 0.1608, 0.0989



0.1777, 0.1793, 0.1653

Previews

White Background



This preview shows how the Yxy color 29.2637, 0.3974, 0.4154 looks on a white background.

Color Contrast Check

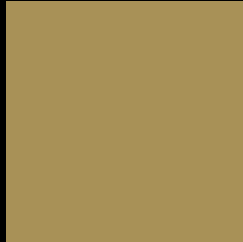
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2637, 0.3974, 0.4154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

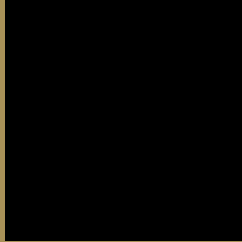
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2637, 0.3974, 0.4154

Background



This preview shows how black text looks on a background with the Yxy color 29.2637, 0.3974, 0.4154.



This preview shows how white text looks on a background with the Yxy color 29.2637, 0.3974, 0.4154.

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

29.2637, 0.3974, 0.4154

Protanopia

29.1491, 0.3870, 0.4195

Deuteranopia

29.3380, 0.4119, 0.4045



Tritanopia

29.3137, 0.3422, 0.3145

Trichromacy



Original Color

29.2637, 0.3974, 0.4154

Protanomaly

29.1549, 0.3911, 0.4170

Deuteranomaly

29.1645, 0.4066, 0.4073

Tritanomaly

29.3268, 0.3632, 0.3515

Monochromacy



Original Color

29.2637, 0.3974, 0.4154

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.4783, 0.3426, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2637, 0.3974, 0.4154 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, 145, 87)` looks like.

```
.text, #text, p{  
    color:rgb(168, 145, 87)  
}
```

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, 145, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 145, 87) }
```

Border

The CSS property to change the border of an element to Yxy 29.2637, 0.3974, 0.4154 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, 145, 87) }
```

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

```
.border{ border-color:rgb(168, 145, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 145, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 145, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 145, 87);  
box-shadow:4px 4px 4px 4px rgb(168, 145,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2637, 0.3974, 0.4154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 145, 87) }
```

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

```
.background{ background-color: rgb(168,  
145, 87) }
```

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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