

Converting Colors

$Y_{xy}(29.1230, 0.4057, 0.4274)$

Have a look what the booklet for
Yxy(29.1230, 0.4057, 0.4274)
contains.

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Color

Yxy(29.1257, 0.4057, 0.4274)

Conversions

Conversions Part 1

Format	Color
Hex	A8914E
RGB	168, 145, 78
RGB Percent	66%, 57%, 31%
CMY	0.3412, 0.4313, 0.6941
CMYK	0.00, 0.14, 0.54, 0.34
HSL	45°, 37%, 48%
HSV	45°, 54%, 66%
XYZ	27.6469, 29.1257, 11.3736
YIQ	144.2390, 35.2150, -15.9610

Conversions

Conversions Part 2

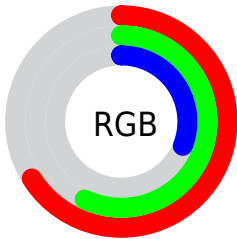
Format	Color
RYB	109, 168, 78
Decimal	11047246
CIELab	60.89, -0.14, 38.38
CIELCh	61, 38.382, 90.216
Yxy	29.1257, 0.4057, 0.4274
Android (android.graphics.Color)	4289237326 (0xFFA8914E)
YUV	144.2390, -32.6558, 20.8384
Hunter-Lab	53.9682, -3.0022, 25.2826

Details

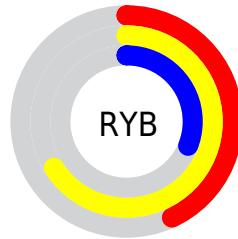
The Yxy color **29.1257, 0.4057, 0.4274** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.7510, 0.2201, 0.2037**, and the grayscale version is **28.1153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4394, 0.3877, 0.4087**, and **11.8556, 0.4326, 0.4552** is the 20% darker color. If you saturate the color by 10%, you get **27.6296, 0.4237, 0.4422**, and if you desaturate by 10%, it is **30.7356, 0.3871, 0.4103**.

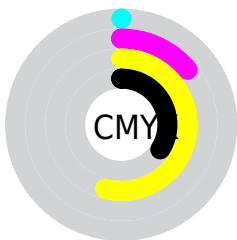
Distribution



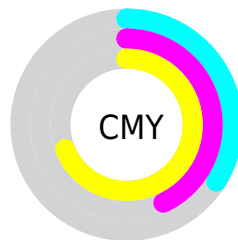
- Red (66%)
- Green (57%)
- Blue (31%)



- Red (43%)
- Yellow (66%)
- Blue (31%)



- Cyan (0%)
- Magenta (14%)
- Yellow (54%)
- Black (34%)





- Cyan (34%)
- Magenta (43%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1257, 0.4057, 0.4274 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 29.1257, 0.4057, 0.4274 by changing the saturation by 10% instead.


 29.1257, 0.4057,
0.4274


 29.1257, 0.4057,
0.4274


297.8076, 0.3573,
0.3761

 19.1759, 0.4176,
0.4401


 58.2767, 0.3880,
0.4087


 11.7975, 0.4324,
0.4557


 78.2468, 0.3814,
0.4016


 6.6059, 0.4503,
0.4748


 102.3257, 0.3758,
0.3957

 3.2169, 0.4866,
0.5134

 130.8980, 0.3710,
0.3906

 1.2460, 0.4864,
0.5136

 164.3479, 0.3668,
0.3862

 0.0988, 0.4777,
0.5223

203.0598, 0.3632,

 0.0000, 0.0000,

0.3824

0.0000

247.4183, 0.3601,
0.3791

■ 29.1257, 0.4057,
0.4274

■ 29.1257, 0.4057,
0.4274

■ 27.6296, 0.4237,
0.4422

■ 30.7356, 0.3871,
0.4103

■ 26.2379, 0.4403,
0.4535

■ 32.4599, 0.3685,
0.3917

■ 24.9459, 0.4546,
0.4606

■ 34.3046, 0.3506,
0.3726

■ 23.7465, 0.4661,
0.4630

■ 36.2736, 0.3337,
0.3537

■ 23.0132, 0.4726,
0.4630

■ 38.3709, 0.3180,
0.3353

■ 40.6001, 0.3036,
0.3179

■ 42.9646, 0.2906,
0.3016

■ 45.4678, 0.2789,
0.2865

■ 48.1128, 0.2683,
0.2725

Harmonies

Analogous

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



29.1257, 0.4355, 0.3874



29.1257, 0.4057, 0.4274



29.1257, 0.3524, 0.4439

Triad

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



29.1257, 0.4057, 0.4274



29.1257, 0.2080, 0.3003



29.1257, 0.3251, 0.2567

Complementary

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



29.1257, 0.4057, 0.4274



13.7510, 0.2201, 0.2037

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.



29.1257, 0.2648, 0.2351



29.1257, 0.4057, 0.4274



29.1257, 0.2025, 0.2545

Square

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



29.1257, 0.4057, 0.4274



29.1257, 0.2390, 0.3637



29.1257, 0.2220, 0.2333



29.1257, 0.3877, 0.2936

Rectangle

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



29.1257, 0.4057, 0.4274



29.1257, 0.3114, 0.4334



29.1257, 0.2220, 0.2333



29.1257, 0.3038, 0.2475

Sweetspot

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



29.1271, 0.4057, 0.4274



64.8376, 0.3382, 0.3588



14.7325, 0.4229, 0.2929



13.9780, 0.3415, 0.3625



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.



29.1271, 0.4057, 0.4274



49.7277, 0.4265, 0.4442



34.7523, 0.3672, 0.4657



8.4446, 0.3268, 0.3457



17.4672, 0.4719, 0.4635



0.5000, 0.4513, 0.4799

Inverse Universe

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



13.7510, 0.2201, 0.2037



19.0034, 0.1998, 0.1714



10.9294, 0.2326, 0.1702



7.6004, 0.2986, 0.3117



3.5063, 0.1591, 0.0926



0.1650, 0.1768, 0.1566

Previews

White Background



This preview shows how the Yxy color 29.1257, 0.4057, 0.4274 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 29.1257, 0.4057, 0.4274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

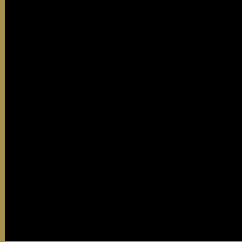
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1257, 0.4057, 0.4274

Background



This preview shows how black text looks on a background with the Yxy color 29.1257, 0.4057, 0.4274.



This preview shows how white text looks on a background with the Yxy color 29.1257, 0.4057, 0.4274.

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

29.1257, 0.4057, 0.4274

Protanopia

29.1133, 0.3964, 0.4315

Deuteranopia

29.0240, 0.4226, 0.4142



Tritanopia

29.0281, 0.3424, 0.3131

Trichromacy



Original Color

29.1257, 0.4057, 0.4274

Protanomaly

29.0148, 0.3995, 0.4293

Deuteranomaly

29.1406, 0.4164, 0.4185

Tritanomaly

28.9569, 0.3669, 0.3546

Monochromacy



Original Color

29.1257, 0.4057, 0.4274

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.0749, 0.3470, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1257, 0.4057, 0.4274 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(168, 145, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 145, 78) }
```

Border

The CSS property to change the border of an element to Yxy 29.1257, 0.4057, 0.4274 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, 78) }
```

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

```
.border{ border-color:rgb(168, 145, 78) }
```

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, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 145, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 145, 78);  
box-shadow:4px 4px 4px 4px rgb(168, 145,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1257, 0.4057, 0.4274 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, 78) }
```

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

```
.background{ background-color: rgb(168,  
145, 78) }
```

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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