

Converting Colors

$Y_{xy}(30.3395, 0.4085, 0.4300)$

Have a look what the booklet for
Yxy(30.3395, 0.4085, 0.4300)
contains.

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Color

Yxy(30.4863, 0.4087, 0.4305)

Conversions

Conversions Part 1

Format	Color
Hex	AC944D
RGB	172, 148, 77
RGB Percent	67%, 58%, 30%
CMY	0.3255, 0.4196, 0.6979
CMYK	0.00, 0.14, 0.55, 0.33
HSL	45°, 38%, 49%
HSV	45°, 55%, 67%
XYZ	28.9425, 30.4863, 11.3872
YIQ	147.0820, 37.0950, -16.9930

Conversions

Conversions Part 2

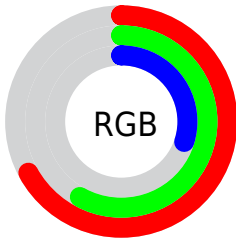
Format	Color
RYB	109, 172, 77
Decimal	11310157
CIELab	62.07, -0.13, 40.38
CIElCh	62, 40.378, 90.186
Yxy	30.4863, 0.4087, 0.4305
Android (android.graphics.Color)	4289500237 (0xFFAC944D)
YUV	147.0820, -34.5504, 21.8531
Hunter-Lab	55.2144, -3.0583, 26.4223

Details

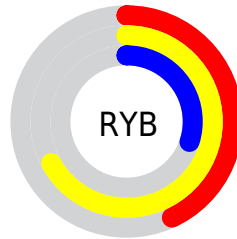
The Yxy color **30.4863, 0.4087, 0.4305** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **13.8701, 0.2168, 0.1983**, and the grayscale version is **29.3493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4576, 0.3904, 0.4117**, and **12.6011, 0.4345, 0.4596** is the 20% darker color. If you saturate the color by 10%, you get **28.9383, 0.4265, 0.4448**, and if you desaturate by 10%, it is **32.1526, 0.3901, 0.4136**.

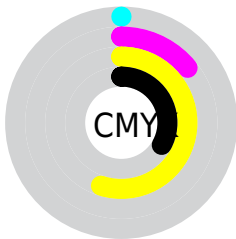
Distribution



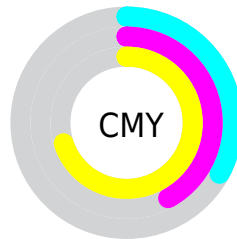
- Red (67%)
- Green (58%)
- Blue (30%)



- Red (43%)
- Yellow (67%)
- Blue (30%)



- Cyan (0%)
- Magenta (14%)
- Yellow (55%)
- Black (33%)



- Cyan (33%)
- Magenta (42%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4863, 0.4087, 0.4305 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 30.4863, 0.4087, 0.4305 by changing the saturation by 10% instead.

■ 30.4863, 0.4087,
0.4305

■ 30.4863, 0.4087,
0.4305

304.1647, 0.3593,
0.3782

■ 20.2080, 0.4206,
0.4432

■ 60.4304, 0.3908,
0.4116

■ 12.5463, 0.4352,
0.4586

■ 80.8650, 0.3840,
0.4044

■ 7.1169, 0.4527,
0.4772

■ 105.4537, 0.3783,
0.3983

■ 3.5353, 0.4867,
0.5133

■ 134.5811, 0.3734,
0.3931

■ 1.4172, 0.4865,
0.5135

■ 168.6315, 0.3691,
0.3886

■ 0.2293, 0.4836,
0.5164

207.9893, 0.3654,

■ 0.0000, 0.0000,

0.3847

0.0000

253.0389, 0.3622,
0.3812

■ 30.4863, 0.4087,
0.4305

■ 30.4863, 0.4087,
0.4305

■ 28.9383, 0.4265,
0.4448

■ 32.1526, 0.3901,
0.4136

■ 27.4985, 0.4426,
0.4555

■ 33.9381, 0.3716,
0.3952

■ 26.1619, 0.4564,
0.4619

■ 35.8488, 0.3535,
0.3760

■ 24.9203, 0.4673,
0.4635

■ 37.8892, 0.3364,
0.3569

■ 24.3505, 0.4720,
0.4634

■ 40.0635, 0.3205,
0.3383

■ 42.3754, 0.3059,
0.3207

■ 44.8286, 0.2926,
0.3041

■ 47.4267, 0.2807,
0.2886

■ 50.1730, 0.2699,
0.2744

Harmonies

Analogous

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



30.4863, 0.4398, 0.3889



30.4863, 0.4087, 0.4305



30.4863, 0.3535, 0.4482

Triad

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



30.4863, 0.4087, 0.4305



30.4863, 0.2047, 0.2991



30.4863, 0.3254, 0.2544

Complementary

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



30.4863, 0.4087, 0.4305



13.8701, 0.2168, 0.1983

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.



30.4863, 0.2630, 0.2322



30.4863, 0.4087, 0.4305



30.4863, 0.1991, 0.2519

Square

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



30.4863, 0.4087, 0.4305



30.4863, 0.2364, 0.3650



30.4863, 0.2191, 0.2302



30.4863, 0.3903, 0.2923

Rectangle

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



30.4863, 0.4087, 0.4305



30.4863, 0.3112, 0.4376



30.4863, 0.2191, 0.2302



30.4863, 0.3033, 0.2449

Sweetspot

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



30.4877, 0.4087, 0.4305



67.9476, 0.3399, 0.3609



15.0496, 0.4285, 0.2920



14.6099, 0.3431, 0.3646



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.



30.4877, 0.4087, 0.4305



51.9724, 0.4298, 0.4472



36.5068, 0.3685, 0.4698



8.9824, 0.3269, 0.3459



18.2135, 0.4713, 0.4639



0.5872, 0.4526, 0.4788

Inverse Universe

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



13.8701, 0.2168, 0.1983



18.9213, 0.1962, 0.1650



10.9553, 0.2294, 0.1646



8.0738, 0.2986, 0.3116



3.6031, 0.1588, 0.0918



0.1875, 0.1754, 0.1515

Previews

White Background



This preview shows how the Yxy color 30.4863, 0.4087, 0.4305 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 30.4863, 0.4087, 0.4305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

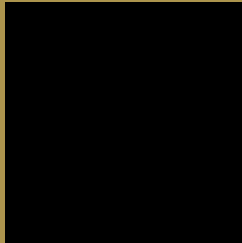
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4863, 0.4087, 0.4305

Background



This preview shows how black text looks on a background with the Yxy color 30.4863, 0.4087, 0.4305.



This preview shows how white text looks on a background with the Yxy color 30.4863, 0.4087, 0.4305.

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

30.4863, 0.4087, 0.4305

Protanopia

30.4697, 0.3996, 0.4347

Deuteranopia

30.3853, 0.4254, 0.4174



Tritanopia

30.5742, 0.3440, 0.3135

Trichromacy



Original Color

30.4863, 0.4087, 0.4305

Protanomaly

30.3698, 0.4026, 0.4325

Deuteranomaly

30.5042, 0.4193, 0.4218

Tritanomaly

30.3303, 0.3692, 0.3570

Monochromacy



Original Color

30.4863, 0.4087, 0.4305

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.3405, 0.3474, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4863, 0.4087, 0.4305 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(172, 148, 77)` looks like.

```
.text, #text, p{  
    color:rgb(172, 148, 77)  
}
```

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(172, 148, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 148, 77) }
```

Border

The CSS property to change the border of an element to Yxy 30.4863, 0.4087, 0.4305 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(172, 148, 77) }
```

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

```
.border{ border-color:rgb(172, 148, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 148, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 148, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 148, 77);  
box-shadow:4px 4px 4px 4px rgb(172, 148,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4863, 0.4087, 0.4305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 148, 77) }
```

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

```
.background{ background-color: rgb(172,  
148, 77) }
```

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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