

Converting Colors

$Y_{xy}(28.9279, 0.4197, 0.3834)$

Have a look what the booklet for
Yxy(28.9279, 0.4197, 0.3834)
contains.

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Color

Yxy(28.9730, 0.4204, 0.3841)

Conversions

Conversions Part 1

Format	Color
Hex	BD875F
RGB	189, 135, 95
RGB Percent	74%, 53%, 37%
CMY	0.2589, 0.4705, 0.6275
CMYK	0.00, 0.29, 0.50, 0.26
HSL	26°, 42%, 56%
HSV	26°, 50%, 74%
XYZ	31.7111, 28.9730, 14.7467
YIQ	146.5860, 45.0240, -0.9920

Conversions

Conversions Part 2

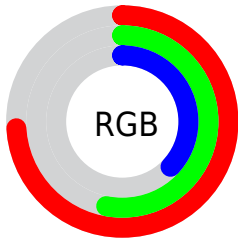
Format	Color
RYB	189, 165, 95
Decimal	12420959
CIELab	60.76, 15.93, 29.63
CIElCh	61, 33.644, 61.733
Yxy	28.9730, 0.4204, 0.3841
Android (android.graphics.Color)	4290611039 (0xFFBD875F)
YUV	146.5860, -25.4319, 37.1971
Hunter-Lab	53.8266, 10.9642, 21.4351

Details

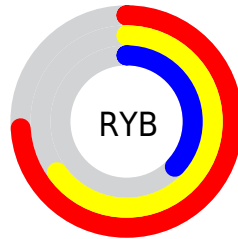
The Yxy color **28.9730, 0.4204, 0.3841** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **27.5870, 0.2361, 0.2643**, and the grayscale version is **29.0911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8159, 0.3984, 0.3743**, and **11.6969, 0.4561, 0.3966** is the 20% darker color. If you saturate the color by 10%, you get **25.7959, 0.4500, 0.3933**, and if you desaturate by 10%, it is **32.5449, 0.3931, 0.3733**.

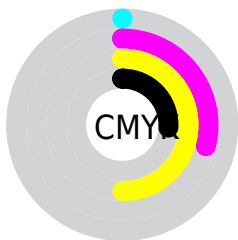
Distribution



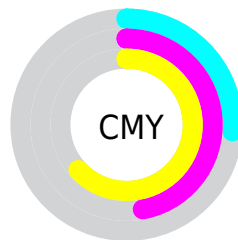
- Red (74%)
- Green (53%)
- Blue (37%)



- Red (74%)
- Yellow (65%)
- Blue (37%)



- Cyan (0%)
- Magenta (29%)
- Yellow (50%)
- Black (26%)





- Cyan (26%)
- Magenta (47%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9730, 0.4204, 0.3841 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 28.9730, 0.4204, 0.3841 by changing the saturation by 10% instead.


 28.9730, 0.4204,
0.3841


 28.9730, 0.4204,
0.3841


297.0875, 0.3624,
0.3570


 19.0604, 0.4359,
0.3902


 58.0342, 0.3985,
0.3746


 11.7139, 0.4562,
0.3972


 77.9516, 0.3905,
0.3710

 6.5492, 0.4836,
0.4049


 101.9726, 0.3838,
0.3678

 3.1818, 0.5274,
0.4163

 130.4818, 0.3782,
0.3651

 1.2274, 0.5836,
0.4164

163.8635, 0.3734,
0.3627

 0.0839, 0.8482,
0.1518

202.5021, 0.3693,

 0.0000, 0.0000,

0.3606

0.0000

246.7820, 0.3656,
0.3587

■ 28.9730, 0.4204,
0.3841

■ 28.9730, 0.4204,
0.3841

■ 25.7959, 0.4500,
0.3933

■ 32.5449, 0.3931,
0.3733

■ 22.9940, 0.4808,
0.3996

■ 36.5218, 0.3686,
0.3618

■ 20.5521, 0.5111,
0.4019

■ 40.9184, 0.3471,
0.3503

■ 18.4519, 0.5385,
0.3991


■ 45.7476, 0.3285,
0.3392

■ 16.6667, 0.5619,
0.3917


■ 51.0216, 0.3123,
0.3287

 16.6223, 0.5626,
0.3915

 56.7521, 0.2984,
0.3190

 62.9503, 0.2864,
0.3100

 69.6270, 0.2761,
0.3017

 76.1266, 0.2724,
0.3046

Harmonies

Analogous

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



28.9730, 0.4165, 0.3417



28.9730, 0.4204, 0.3841



28.9730, 0.3934, 0.4178

Triad

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



28.9730, 0.4204, 0.3841



28.9730, 0.2458, 0.3567



28.9730, 0.2730, 0.2457

Complementary

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



28.9730, 0.4204, 0.3841



27.5870, 0.2361, 0.2643

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.



28.9730, 0.2336, 0.2435



28.9730, 0.4204, 0.3841



28.9730, 0.2188, 0.3020

Square

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



28.9730, 0.4204, 0.3841



28.9730, 0.2918, 0.4068



28.9730, 0.2148, 0.2621



28.9730, 0.3269, 0.2659

Rectangle

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



28.9730, 0.4204, 0.3841



28.9730, 0.3632, 0.4287



28.9730, 0.2148, 0.2621



28.9730, 0.2578, 0.2428

Sweetspot

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



28.9744, 0.4204, 0.3841



77.0936, 0.3384, 0.3453



21.1959, 0.3682, 0.2553



16.1921, 0.3424, 0.3476



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.9744, 0.4204, 0.3841



45.5604, 0.4538, 0.3942



44.7480, 0.3893, 0.4399



10.1863, 0.3278, 0.3388



11.3322, 0.5604, 0.3933



0.5738, 0.5185, 0.4265

Inverse Universe

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



27.5870, 0.2361, 0.2643



42.7325, 0.2206, 0.2464



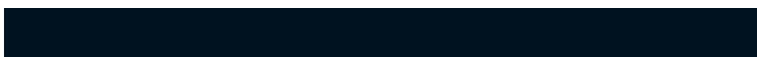
15.7725, 0.2212, 0.1862



10.1103, 0.2984, 0.3190



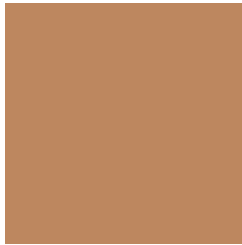
9.9160, 0.1847, 0.1850



0.5156, 0.1953, 0.2230

Previews

White Background



This preview shows how the Yxy color 28.9730, 0.4204, 0.3841 looks on a white background.

Color Contrast Check

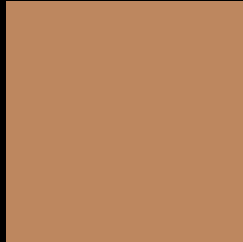
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9730, 0.4204, 0.3841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

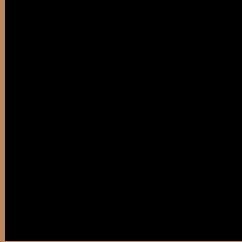
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9730, 0.4204, 0.3841

Background



This preview shows how black text looks on a background with the Yxy color 28.9730, 0.4204, 0.3841.



This preview shows how white text looks on a background with the Yxy color 28.9730, 0.4204, 0.3841.

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

28.9730, 0.4204, 0.3841

Protanopia

29.1585, 0.3731, 0.4025

Deuteranopia

28.9114, 0.4042, 0.3957



Tritanopia

28.9021, 0.3767, 0.3156

Trichromacy



Original Color

28.9730, 0.4204, 0.3841

Protanomaly

29.0728, 0.3900, 0.3964

Deuteranomaly

28.8089, 0.4102, 0.3918

Tritanomaly

28.8691, 0.3940, 0.3402

Monochromacy



Original Color

28.9730, 0.4204, 0.3841

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.8848, 0.3490, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9730, 0.4204, 0.3841 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(189, 135, 95)` looks like.

```
.text, #text, p{  
    color:rgb(189, 135, 95)  
}
```

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(189, 135, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 135, 95) }
```

Border

The CSS property to change the border of an element to Yxy 28.9730, 0.4204, 0.3841 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(189, 135, 95) }
```

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

```
.border{ border-color:rgb(189, 135, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 135, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 135, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 135, 95);  
box-shadow:4px 4px 4px 4px rgb(189, 135,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9730, 0.4204, 0.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 135, 95) }
```

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

```
.background{ background-color: rgb(189,  
135, 95) }
```

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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