

Converting Colors

$Y_{xy}(28.0856, 0.4404, 0.4032)$

Have a look what the booklet for
Yxy(28.0856, 0.4404, 0.4032)
contains.

Yxy(28.1297, 0.4408, 0.4037)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.1297, 0.4408, 0.4037)

Conversions

Conversions Part 1

Format	Color
Hex	BD854D
RGB	189, 133, 77
RGB Percent	74%, 52%, 30%
CMY	0.2588, 0.4784, 0.6980
CMYK	0.00, 0.30, 0.59, 0.26
HSL	30°, 46%, 52%
HSV	30°, 59%, 74%
XYZ	30.7148, 28.1297, 10.8352
YIQ	143.3600, 51.3520, -5.5440

Conversions

Conversions Part 2

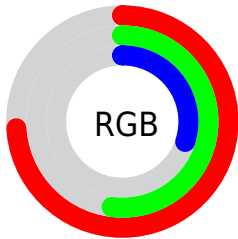
Format	Color
R_{YB}	189, 189, 77
Decimal	12420429
CIE Lab	60.01, 15.50, 38.36
CIE LCh	60, 41.378, 67.995
Yxy	28.1297, 0.4408, 0.4037
Android (android.graphics.Color)	4290610509 (0xFFBD854D)
YUV	143.3600, -32.7155, 40.0263
Hunter-Lab	53.0374, 10.5566, 25.0137

Details

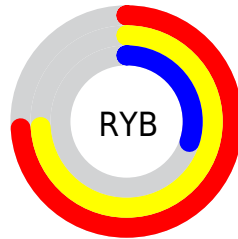
The Yxy color **28.1297, 0.4408, 0.4037** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **22.0341, 0.2196, 0.2344**, and the grayscale version is **27.7392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6066, 0.4158, 0.3916**, and **11.1808, 0.4814, 0.4195** is the 20% darker color. If you saturate the color by 10%, you get **25.4289, 0.4682, 0.4119**, and if you desaturate by 10%, it is **31.1438, 0.4140, 0.3927**.

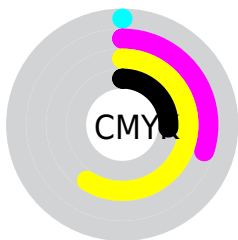
Distribution



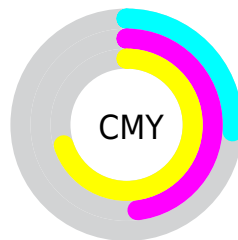
- Red (74%)
- Green (52%)
- Blue (30%)



- Red (74%)
- Yellow (74%)
- Blue (30%)



- Cyan (0%)
- Magenta (30%)
- Yellow (59%)
- Black (26%)





- Cyan (26%)
- Magenta (48%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1297, 0.4408, 0.4037 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 28.1297, 0.4408, 0.4037 by changing the saturation by 10% instead.


 28.1297, 0.4408,
0.4037


 28.1297, 0.4408,
0.4037


293.0862, 0.3726,
0.3676


 18.4235, 0.4583,
0.4112

 56.6914, 0.4154,
0.3914


 11.2544, 0.4805,
0.4195


 76.3157, 0.4060,
0.3865


 6.2382, 0.5089,
0.4271


 100.0148, 0.3981,
0.3822

 2.9905, 0.5584,
0.4416

 128.1731, 0.3914,
0.3785

 1.1268, 0.5837,
0.4163

 161.1750, 0.3857,
0.3752

 0.0006, 0.9983,
0.0017

199.4049, 0.3807,

 0.0000, 0.0000,

0.3724

0.0000

243.2471, 0.3764,
0.3698

■ 28.1297, 0.4408,
0.4037

■ 28.1297, 0.4408,
0.4037

■ 25.4289, 0.4682,
0.4119

■ 31.1438, 0.4140,
0.3927

■ 23.0241, 0.4948,
0.4160

■ 34.4790, 0.3889,
0.3800

■ 20.9022, 0.5188,
0.4150

■ 38.1479, 0.3660,
0.3667

■ 19.0419, 0.5394,
0.4092

■ 42.1608, 0.3455,
0.3533

■ 18.9114, 0.5410,
0.4087

■ 46.5279, 0.3274,
0.3404

■ 51.2586, 0.3116,
0.3281

■ 56.3620, 0.2978,
0.3167

■ 61.8468, 0.2857,
0.3061

■ 67.7214, 0.2753,
0.2964

Harmonies

Analogous

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



28.1297, 0.4460, 0.3530



28.1297, 0.4408, 0.4037



28.1297, 0.3997, 0.4435

Triad

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



28.1297, 0.4408, 0.4037



28.1297, 0.2214, 0.3478



28.1297, 0.2760, 0.2320

Complementary

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



28.1297, 0.4408, 0.4037



22.0341, 0.2196, 0.2344

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.



28.1297, 0.2243, 0.2240



28.1297, 0.4408, 0.4037



28.1297, 0.1955, 0.2818

Square

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



28.1297, 0.4408, 0.4037



28.1297, 0.2725, 0.4166



28.1297, 0.1969, 0.2396



28.1297, 0.3444, 0.2599

Rectangle

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



28.1297, 0.4408, 0.4037



28.1297, 0.3597, 0.4546



28.1297, 0.1969, 0.2396



28.1297, 0.2564, 0.2269

Sweetspot

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



28.1311, 0.4408, 0.4037



76.2305, 0.3437, 0.3520



17.8758, 0.3960, 0.2527



15.9248, 0.3493, 0.3559



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.



28.1311, 0.4408, 0.4037



44.2442, 0.4760, 0.4135



46.9549, 0.3971, 0.4646



10.3031, 0.3276, 0.3405



12.8763, 0.5390, 0.4102



0.6352, 0.5030, 0.4388

Inverse Universe

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



22.0341, 0.2196, 0.2344



32.3433, 0.2024, 0.2094



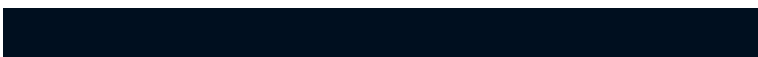
10.8284, 0.1997, 0.1438



9.9924, 0.2984, 0.3172



8.0733, 0.1777, 0.1598



0.4471, 0.1899, 0.2035

Previews

White Background



This preview shows how the Yxy color 28.1297, 0.4408, 0.4037 looks on a white background.

Color Contrast Check

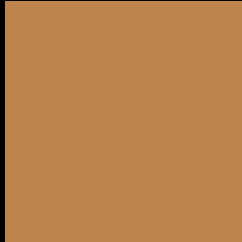
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1297, 0.4408, 0.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

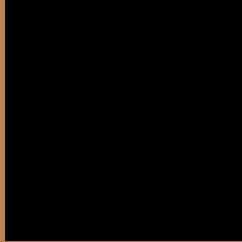
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1297, 0.4408, 0.4037

Background



This preview shows how black text looks on a background with the Yxy color 28.1297, 0.4408, 0.4037.



This preview shows how white text looks on a background with the Yxy color 28.1297, 0.4408, 0.4037.

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

28.1297, 0.4408, 0.4037

Protanopia

28.2158, 0.3926, 0.4276

Deuteranopia

28.1637, 0.4249, 0.4162



Tritanopia

28.0367, 0.3815, 0.3155

Trichromacy



Original Color

28.1297, 0.4408, 0.4037

Protanomaly

28.1750, 0.4094, 0.4186

Deuteranomaly

28.0752, 0.4312, 0.4118

Tritanomaly

28.1448, 0.4047, 0.3485

Monochromacy



Original Color

28.1297, 0.4408, 0.4037

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.2707, 0.3578, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1297, 0.4408, 0.4037 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, 133, 77)` looks like.

```
.text, #text, p{  
    color:rgb(189, 133, 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(189, 133, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 133, 77) }
```

Border

The CSS property to change the border of an element to Yxy 28.1297, 0.4408, 0.4037 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, 133, 77) }
```

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

```
.border{ border-color:rgb(189, 133, 77) }
```

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

Here you see how a box with a 4 pixel rgb(189, 133, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 133, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 133, 77);  
box-shadow:4px 4px 4px 4px rgb(189, 133,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1297, 0.4408, 0.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 133, 77) }
```

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

```
.background{ background-color: rgb(189,  
133, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor