

Converting Colors

$Y_{xy}(32.1071, 0.4014, 0.3889)$

Have a look what the booklet for
Yxy(32.1071, 0.4014, 0.3889)
contains.

Yxy(32.1018, 0.4022, 0.3886)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.1018, 0.4022, 0.3886)

Conversions

Conversions Part 1

Format	Color
Hex	BB9267
RGB	187, 146, 103
RGB Percent	73%, 57%, 40%
CMY	0.2666, 0.4275, 0.5960
CMYK	0.00, 0.22, 0.45, 0.27
HSL	31°, 38%, 57%
HSV	31°, 45%, 73%
XYZ	33.2253, 32.1018, 17.2818
YIQ	153.3570, 38.2390, -4.6810

Conversions

Conversions Part 2

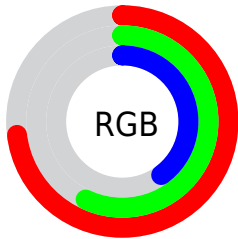
Format	Color
RYB	183, 187, 103
Decimal	12292711
CIELab	63.43, 9.86, 28.66
CIElCh	63, 30.306, 71.009
Yxy	32.1018, 0.4022, 0.3886
Android (android.graphics.Color)	4290482791 (0xFFBB9267)
YUV	153.3570, -24.8260, 29.5049
Hunter-Lab	56.6585, 5.5225, 21.5765

Details

The Yxy color **32.1018, 0.4022, 0.3886** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **26.4341, 0.2411, 0.2596**, and the grayscale version is **32.1187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0876, 0.3843, 0.3775**, and **13.5471, 0.4307, 0.4055** is the 20% darker color. If you saturate the color by 10%, you get **29.0643, 0.4279, 0.4007**, and if you desaturate by 10%, it is **35.4514, 0.3783, 0.3753**.

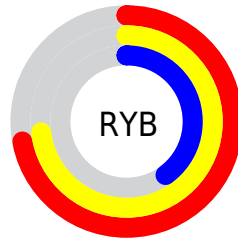
Distribution



Red (73%)

Green (57%)

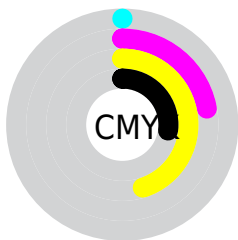
Blue (40%)



Red (72%)

Yellow (73%)

Blue (40%)

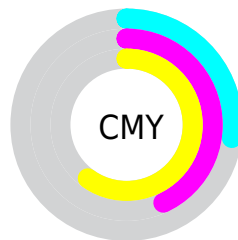


Cyan (0%)

Magenta (22%)

Yellow (45%)

Black (27%)



Cyan (27%)


Magenta (43%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1018, 0.4022, 0.3886 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 32.1018, 0.4022, 0.3886 by changing the saturation by 10% instead.

 32.1018, 0.4022,
0.3886

 32.1018, 0.4022,
0.3886


311.5827, 0.3549,
0.3586


 21.4393, 0.4146,
0.3958


 62.9706, 0.3845,
0.3778


 13.4455, 0.4307,
0.4046


 83.9457, 0.3780,
0.3738

 7.7360, 0.4523,
0.4154


 109.1272, 0.3726,
0.3703

 3.9265, 0.4822,
0.4283

 138.8993, 0.3679,
0.3673

 1.6325, 0.5433,
0.4567

173.6465, 0.3640,
0.3647

 0.3794, 0.6132,
0.3868

213.7532, 0.3605,

 0.0000, 0.0000,

0.3624

0.0000

259.6038, 0.3575,
0.3604

■ 32.1018, 0.4022,
0.3886

■ 32.1018, 0.4022,
0.3886

■ 29.0643, 0.4279,
0.4007

■ 35.4514, 0.3783,
0.3753

■ 26.3234, 0.4547,
0.4106

■ 39.1187, 0.3566,
0.3616

■ 23.8688, 0.4813,
0.4168


■ 43.1149, 0.3373,
0.3480


■ 21.6876, 0.5060,
0.4184

■ 47.4491, 0.3203,
0.3351


■ 19.7649, 0.5274,
0.4146

■ 52.1299, 0.3054,
0.3229

 18.8749, 0.5374,
0.4115

 57.1659, 0.2924,
0.3116

 62.5650, 0.2810,
0.3012

 68.3351, 0.2711,
0.2916

 73.3860, 0.2708,
0.2995

Harmonies

Analogous

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



32.1018, 0.4072, 0.3529



32.1018, 0.4022, 0.3886



32.1018, 0.3724, 0.4123

Triad

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



32.1018, 0.4022, 0.3886



32.1018, 0.2448, 0.3382



32.1018, 0.2920, 0.2593

Complementary

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



32.1018, 0.4022, 0.3886



26.4341, 0.2411, 0.2596

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.



32.1018, 0.2522, 0.2523



32.1018, 0.4022, 0.3886



32.1018, 0.2267, 0.2934

Square

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



32.1018, 0.4022, 0.3886



32.1018, 0.2811, 0.3844



32.1018, 0.2294, 0.2634



32.1018, 0.3407, 0.2816

Rectangle

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



32.1018, 0.4022, 0.3886



32.1018, 0.3435, 0.4157



32.1018, 0.2294, 0.2634



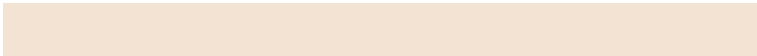
32.1018, 0.2772, 0.2551

Sweetspot

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



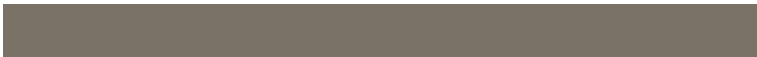
32.1033, 0.4022, 0.3886



78.4790, 0.3343, 0.3458



22.3169, 0.3702, 0.2712



16.9159, 0.3383, 0.3487



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.



32.1033, 0.4022, 0.3886



52.0628, 0.4278, 0.4007



47.0971, 0.3785, 0.4377



10.3216, 0.3276, 0.3408



13.1468, 0.5356, 0.4129



0.6456, 0.5006, 0.4407

Inverse Universe

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



26.4341, 0.2411, 0.2596



40.6205, 0.2256, 0.2408



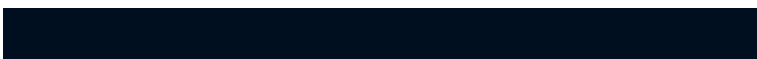
16.1778, 0.2292, 0.1910



9.9739, 0.2984, 0.3170



7.8102, 0.1767, 0.1559



0.4369, 0.1890, 0.2004

Previews

White Background



This preview shows how the Yxy color 32.1018, 0.4022, 0.3886 looks on a white background.

Color Contrast Check

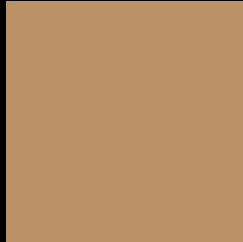
Large Text (above 18pt) WCAG AA × Fail

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 32.1018, 0.4022, 0.3886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

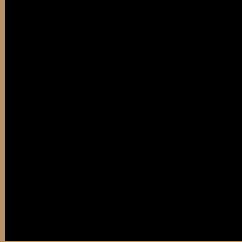
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1018, 0.4022, 0.3886

Background



This preview shows how black text looks on a background with the Yxy color 32.1018, 0.4022, 0.3886.



This preview shows how white text looks on a background with the Yxy color 32.1018, 0.4022, 0.3886.

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

32.1018, 0.4022, 0.3886

Protanopia

32.2588, 0.3715, 0.4011

Deuteranopia

32.0371, 0.3983, 0.3908



Tritanopia

32.0669, 0.3571, 0.3142

Trichromacy



Original Color

32.1018, 0.4022, 0.3886

Protanomaly

32.1518, 0.3829, 0.3962

Deuteranomaly

32.1610, 0.3994, 0.3905

Tritanomaly

32.0144, 0.3742, 0.3402

Monochromacy



Original Color

32.1018, 0.4022, 0.3886

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.5613, 0.3431, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1018, 0.4022, 0.3886 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(187, 146, 103)` looks like.

```
.text, #text, p{  
    color:rgb(187, 146, 103)  
}
```

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(187, 146, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 146, 103) }
```

Border

The CSS property to change the border of an element to Yxy 32.1018, 0.4022, 0.3886 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(187, 146, 103) }
```

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

```
.border{ border-color:rgb(187, 146, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 146, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 146, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 146, 103);  
box-shadow:4px 4px 4px 4px rgb(187, 146,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1018, 0.4022, 0.3886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 146, 103) }
```

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

```
.background{ background-color: rgb(187,  
146, 103) }
```

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