

Converting Colors

$Y_{xy}(32.4580, 0.4232, 0.3731)$

Have a look what the booklet for
Yxy(32.4580, 0.4232, 0.3731)
contains.

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Color

Yxy(32.3225, 0.4232, 0.3729)

Conversions

Conversions Part 1

Format	Color
Hex	CC8B69
RGB	204, 139, 105
RGB Percent	80%, 55%, 41%
CMY	0.2000, 0.4549, 0.5882
CMYK	0.00, 0.32, 0.49, 0.20
HSL	21°, 49%, 61%
HSV	21°, 49%, 80%
XYZ	36.6824, 32.3225, 17.6738
YIQ	154.5590, 49.6540, 3.2060

Conversions

Conversions Part 2

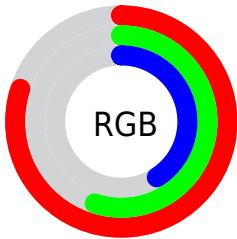
Format	Color
RYB	204, 157, 105
Decimal	13405033
CIELab	63.61, 20.89, 28.16
CIElCh	64, 35.063, 53.422
Yxy	32.3225, 0.4232, 0.3729
Android (android.graphics.Color)	4291595113 (0xFFCC8B69)
YUV	154.5590, -24.4326, 43.3598
Hunter-Lab	56.8529, 15.6787, 21.3656

Details

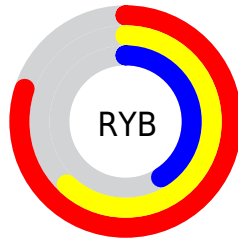
The Yxy color **32.3225, 0.4232, 0.3729** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **36.1101, 0.2398, 0.2785**, and the grayscale version is **32.6681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8342, 0.3939, 0.3668**, and **13.6432, 0.4587, 0.3829** is the 20% darker color. If you saturate the color by 10%, you get **28.3096, 0.4559, 0.3803**, and if you desaturate by 10%, it is **36.9143, 0.3937, 0.3641**.

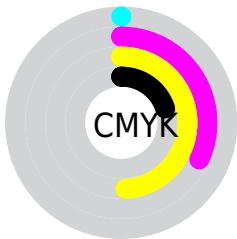
Distribution



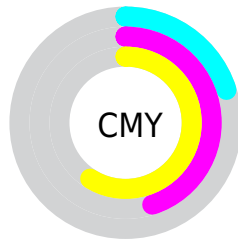
- Red (80%)
- Green (55%)
- Blue (41%)



- Red (80%)
- Yellow (62%)
- Blue (41%)



- Cyan (0%)
- Magenta (32%)
- Yellow (49%)
- Black (20%)





- Cyan (20%)
- Magenta (45%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3225, 0.4232, 0.3729 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 32.3225, 0.4232, 0.3729 by changing the saturation by 10% instead.


 32.3225, 0.4232,
0.3729


 32.3225, 0.4232,
0.3729


312.5857, 0.3645,
0.3524

 21.6079, 0.4387,
0.3772


 63.3163, 0.4012,
0.3660


 13.5691, 0.4590,
0.3819


 84.3644, 0.3931,
0.3632

 7.8216, 0.4862,
0.3867


 109.6257, 0.3863,
0.3608

 3.9810, 0.5241,
0.3900

 139.4848, 0.3806,
0.3587

 1.6629, 0.5997,
0.4003

174.3259, 0.3757,
0.3568

 0.3995, 0.6904,
0.3096

214.5335, 0.3715,

 0.0000, 0.0000,

0.3552

0.0000

260.4920, 0.3677,
0.3537

■ 32.3225, 0.4232,
0.3729

■ 32.3225, 0.4232,
0.3729

■ 28.3096, 0.4559,
0.3803

■ 36.9143, 0.3937,
0.3641

■ 24.8465, 0.4906,
0.3852

■ 42.1030, 0.3679,
0.3547

■ 21.9083, 0.5252,
0.3862

■ 47.9118, 0.3456,
0.3453

■ 19.4659, 0.5568,
0.3824

■ 54.3610, 0.3266,
0.3362

■ 17.4834, 0.5826,
0.3740

■ 61.4700, 0.3105,
0.3278

■ 17.2242, 0.5863,
0.3727

■ 69.2573, 0.2968,
0.3200

■ 77.7408, 0.2852,
0.3128

■ 86.0574, 0.2821,
0.3197

■ 91.5757, 0.2827,
0.3289

Harmonies

Analogous

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



32.3225, 0.4100, 0.3297



32.3225, 0.4232, 0.3729



32.3225, 0.4039, 0.4104

Triad

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



32.3225, 0.4232, 0.3729



32.3225, 0.2567, 0.3724



32.3225, 0.2600, 0.2428

Complementary

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



32.3225, 0.4232, 0.3729



36.1101, 0.2398, 0.2785

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.



32.3225, 0.2258, 0.2461



32.3225, 0.4232, 0.3729



32.3225, 0.2237, 0.3162

Square

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



32.3225, 0.4232, 0.3729



32.3225, 0.3065, 0.4169



32.3225, 0.2132, 0.2708



32.3225, 0.3112, 0.2584

Rectangle

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



32.3225, 0.4232, 0.3729



32.3225, 0.3769, 0.4262



32.3225, 0.2132, 0.2708



32.3225, 0.2464, 0.2416

Sweetspot

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



32.3241, 0.4232, 0.3729



82.7881, 0.3389, 0.3422



25.8821, 0.3561, 0.2471



17.2453, 0.3432, 0.3442



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



32.3241, 0.4232, 0.3729



46.7434, 0.4567, 0.3805



49.6059, 0.3925, 0.4295



11.8332, 0.3282, 0.3370



10.9995, 0.5837, 0.3747



0.7082, 0.5456, 0.4050

Inverse Universe

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



36.1101, 0.2398, 0.2785



53.6327, 0.2266, 0.2656



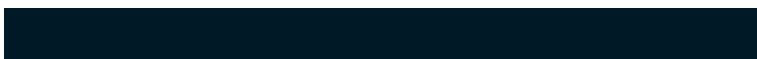
21.1624, 0.2255, 0.2020



12.0529, 0.2983, 0.3209



13.6426, 0.1927, 0.2135



0.8416, 0.1996, 0.2387

Previews

White Background



This preview shows how the Yxy color 32.3225, 0.4232, 0.3729 looks on a white background.

Color Contrast Check

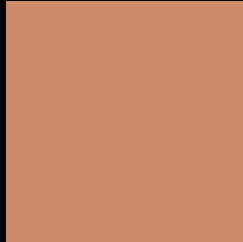
Large Text (above 18pt) WCAG AA × Fail

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 32.3225, 0.4232, 0.3729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

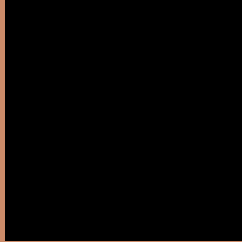
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3225, 0.4232, 0.3729

Background



This preview shows how black text looks on a background with the Yxy color 32.3225, 0.4232, 0.3729.



This preview shows how white text looks on a background with the Yxy color 32.3225, 0.4232, 0.3729.

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

32.3225, 0.4232, 0.3729

Protanopia

32.3659, 0.3667, 0.3937

Deuteranopia

32.4734, 0.3987, 0.3918



Tritanopia

32.3292, 0.3845, 0.3164

Trichromacy



Original Color

32.3225, 0.4232, 0.3729

Protanomaly

32.3023, 0.3866, 0.3862

Deuteranomaly

32.4567, 0.4073, 0.3847

Tritanomaly

32.3418, 0.3989, 0.3370

Monochromacy



Original Color

32.3225, 0.4232, 0.3729

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.1853, 0.3500, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3225, 0.4232, 0.3729 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(204, 139, 105)` looks like.

```
.text, #text, p{  
    color:rgb(204, 139, 105)  
}
```

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(204, 139, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 139, 105) }
```

Border

The CSS property to change the border of an element to Yxy 32.3225, 0.4232, 0.3729 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(204, 139, 105) }
```

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

```
.border{ border-color:rgb(204, 139, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 139, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 139, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 139, 105);  
box-shadow:4px 4px 4px 4px rgb(204, 139,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3225, 0.4232, 0.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 139, 105) }
```

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

```
.background{ background-color: rgb(204,  
139, 105) }
```

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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