

Converting Colors

$Y_{xy}(32.8039, 0.4409, 0.4443)$

Have a look what the booklet for
Yxy(32.8039, 0.4409, 0.4443)
contains.

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Color

Yxy(32.9269, 0.4406, 0.4446)

Conversions

Conversions Part 1

Format	Color
Hex	BD9639
RGB	189, 150, 57
RGB Percent	74%, 59%, 22%
CMY	0.2588, 0.4117, 0.7766
CMYK	0.00, 0.21, 0.70, 0.26
HSL	42°, 54%, 48%
HSV	42°, 70%, 74%
XYZ	32.6307, 32.9269, 8.5020
YIQ	151.0590, 53.0970, -20.6550

Conversions

Conversions Part 2

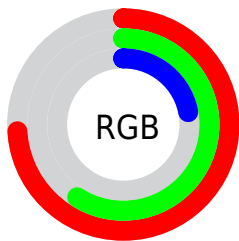
Format	Color
RYB	112, 189, 57
Decimal	12424761
CIELab	64.10, 4.84, 52.62
CIELCh	64, 52.845, 84.745
Yxy	32.9269, 0.4406, 0.4446
Android (android.graphics.Color)	4290614841 (0xFFBD9639)
YUV	151.0590, -46.3711, 33.2743
Hunter-Lab	57.3820, 1.0869, 31.3826

Details

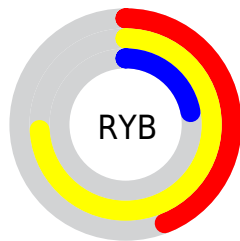
The Yxy color **32.9269, 0.4406, 0.4446** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.9021, 0.1935, 0.1658**, and the grayscale version is **31.1589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2463, 0.4180, 0.4259**, and **14.0199, 0.4682, 0.4664** is the 20% darker color. If you saturate the color by 10%, you get **31.0344, 0.4575, 0.4525**, and if you desaturate by 10%, it is **34.9777, 0.4218, 0.4326**.

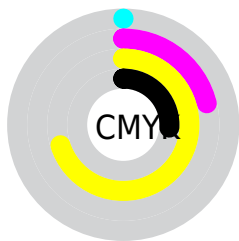
Distribution



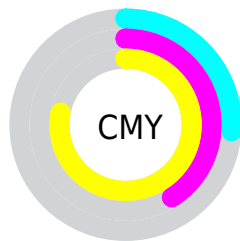
- Red (74%)
- Green (59%)
- Blue (22%)



- Red (44%)
- Yellow (74%)
- Blue (22%)



- Cyan (0%)
- Magenta (21%)
- Yellow (70%)
- Black (26%)





- Cyan (26%)
- Magenta (41%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9269, 0.4406, 0.4446 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 32.9269, 0.4406, 0.4446 by changing the saturation by 10% instead.


 32.9269, 0.4406,
0.4446


 32.9269, 0.4406,
0.4446


315.3202, 0.3771,
0.3890

 22.0705, 0.4546,
0.4560


 64.2614, 0.4185,
0.4258


 13.9087, 0.4707,
0.4685


 85.5082, 0.4098,
0.4182


 8.0572, 0.4909,
0.4832


 110.9873, 0.4023,
0.4117

 4.1316, 0.5080,
0.4920

 141.0830, 0.3959,
0.4059

 1.7474, 0.5148,
0.4852

 176.1798, 0.3903,
0.4009

 0.4541, 0.5476,
0.4524

 216.6620, 0.3853,

 0.0000, 0.0000,

0.3964

0.0000

262.9140, 0.3809,
0.3925

■ 32.9269, 0.4406,
0.4446

■ 32.9269, 0.4406,
0.4446

■ 31.0344, 0.4575,
0.4525

■ 34.9777, 0.4218,
0.4326

■ 29.2859, 0.4716,
0.4556

■ 37.1900, 0.4021,
0.4175

■ 27.6657, 0.4831,
0.4545

■ 39.5728, 0.3823,
0.4005

■ 27.6434, 0.4833,
0.4544

■ 42.1327, 0.3630,
0.3823

■ 44.8758, 0.3448,
0.3640

■ 47.8079, 0.3279,
0.3460

■ 50.9343, 0.3125,
0.3288

■ 54.2601, 0.2985,
0.3125

■ 57.7904, 0.2860,
0.2974

Harmonies

Analogous

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



32.9269, 0.4751, 0.3877



32.9269, 0.4406, 0.4446



32.9269, 0.3743, 0.4804

Triad

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



32.9269, 0.4406, 0.4446



32.9269, 0.1835, 0.3024



32.9269, 0.3122, 0.2307

Complementary

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



32.9269, 0.4406, 0.4446



12.9021, 0.1935, 0.1658

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.



32.9269, 0.2381, 0.2079



32.9269, 0.4406, 0.4446



32.9269, 0.1722, 0.2391

Square

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



32.9269, 0.4406, 0.4446



32.9269, 0.2263, 0.3911



32.9269, 0.1906, 0.2092



32.9269, 0.3972, 0.2731

Rectangle

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



32.9269, 0.4406, 0.4446



32.9269, 0.3222, 0.4772



32.9269, 0.1906, 0.2092



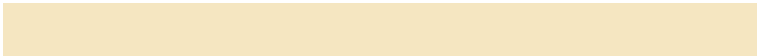
32.9269, 0.2851, 0.2207

Sweetspot

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



32.9285, 0.4406, 0.4446



79.6250, 0.3474, 0.3667



14.5972, 0.4736, 0.2812



16.8273, 0.3524, 0.3717



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.



32.9285, 0.4406, 0.4446



53.8333, 0.4656, 0.4548



44.4344, 0.3813, 0.4990



10.6316, 0.3271, 0.3451



18.7370, 0.4823, 0.4553



0.8424, 0.4639, 0.4699

Inverse Universe

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



12.9021, 0.1935, 0.1658



16.1102, 0.1732, 0.1277



8.4533, 0.1986, 0.1179



9.6723, 0.2984, 0.3124



4.4807, 0.1613, 0.1006



0.2930, 0.1753, 0.1510

Previews

White Background



This preview shows how the Yxy color 32.9269, 0.4406, 0.4446 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 32.9269, 0.4406, 0.4446 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 32.9269, 0.4406, 0.4446

Background



This preview shows how black text looks on a background with the Yxy color 32.9269, 0.4406, 0.4446.



This preview shows how white text looks on a background with the Yxy color 32.9269, 0.4406, 0.4446.

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

32.9269, 0.4406, 0.4446

Protanopia

33.0914, 0.4176, 0.4586

Deuteranopia

32.9546, 0.4471, 0.4385



Tritanopia

33.0199, 0.3623, 0.3158

Trichromacy



Original Color

32.9269, 0.4406, 0.4446

Protanomaly

33.0004, 0.4254, 0.4542

Deuteranomaly

33.0068, 0.4440, 0.4408

Tritanomaly

32.5683, 0.3952, 0.3659

Monochromacy



Original Color

32.9269, 0.4406, 0.4446

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.4169, 0.3610, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9269, 0.4406, 0.4446 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, 150, 57)` looks like.

```
.text, #text, p{  
    color:rgb(189, 150, 57)  
}
```

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, 150, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 150, 57) }
```

Border

The CSS property to change the border of an element to Yxy 32.9269, 0.4406, 0.4446 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, 150, 57) }
```

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

```
.border{ border-color:rgb(189, 150, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 150, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 150, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 150, 57);  
box-shadow:4px 4px 4px 4px rgb(189, 150,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9269, 0.4406, 0.4446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 150, 57) }
```

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

```
.background{ background-color: rgb(189,  
150, 57) }
```

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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