

Converting Colors

$Yxy(32.3864, 0.4262, 0.4336)$

Have a look what the booklet for
Yxy(32.3864, 0.4262, 0.4336)
contains.

Yxy(32.4580, 0.4252, 0.4338)	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(32.4580, 0.4252, 0.4338)

Conversions

Conversions Part 1

Format	Color
Hex	B89647
RGB	184, 150, 71
RGB Percent	72%, 59%, 28%
CMY	0.2784, 0.4118, 0.7215
CMYK	0.00, 0.18, 0.61, 0.28
HSL	42°, 44%, 50%
HSV	42°, 61%, 72%
XYZ	31.8145, 32.4580, 10.5500
YIQ	151.1600, 45.6230, -17.3610

Conversions

Conversions Part 2

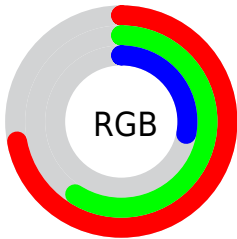
Format	Color
RYB	120, 184, 71
Decimal	12097095
CIELab	63.72, 3.54, 45.59
CIElCh	64, 45.725, 85.556
Yxy	32.4580, 0.4252, 0.4338
Android (android.graphics.Color)	4290287175 (0xFFB89647)
YUV	151.1600, -39.5189, 28.8007
Hunter-Lab	56.9719, -0.0221, 28.9011

Details

The Yxy color **32.4580, 0.4252, 0.4338** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **14.9102, 0.2075, 0.1897**, and the grayscale version is **31.1791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4681, 0.4045, 0.4159**, and **13.7540, 0.4538, 0.4594** is the 20% darker color. If you saturate the color by 10%, you get **30.5315, 0.4439, 0.4451**, and if you desaturate by 10%, it is **34.5427, 0.4054, 0.4192**.

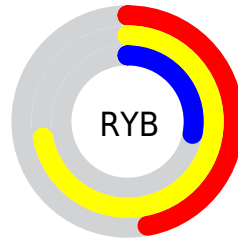
Distribution



Red (72%)

Green (59%)

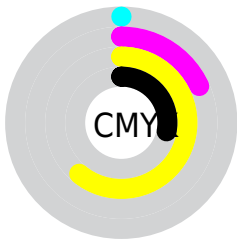
Blue (28%)



Red (47%)

Yellow (72%)

Blue (28%)

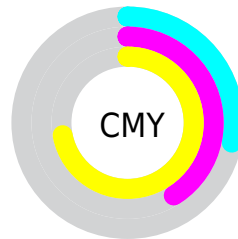


Cyan (0%)

Magenta (18%)

Yellow (61%)

Black (28%)



Cyan (28%)


Magenta (41%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4580, 0.4252, 0.4338 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 32.4580, 0.4252, 0.4338 by changing the saturation by 10% instead.


 32.4580, 0.4252,
0.4338


 32.4580, 0.4252,
0.4338


313.2003, 0.3681,
0.3818


 21.7116, 0.4385,
0.4454


 63.5284, 0.4049,
0.4156


 13.6451, 0.4545,
0.4590


 84.6212, 0.3970,
0.4085


 7.8743, 0.4732,
0.4740


 109.9315, 0.3904,
0.4024

 4.0146, 0.5027,
0.4973

 139.8438, 0.3847,
0.3971

 1.6817, 0.5078,
0.4922

 174.7424, 0.3797,
0.3925

 0.4118, 0.5371,
0.4629

215.0118, 0.3754,

 0.0000, 0.0000,

0.3885

0.0000

261.0363, 0.3715,
0.3849

■ 32.4580, 0.4252,
0.4338

■ 32.4580, 0.4252,
0.4338

■ 30.5315, 0.4439,
0.4451

■ 34.5427, 0.4054,
0.4192

■ 28.7508, 0.4607,
0.4523

■ 36.7880, 0.3854,
0.4025

■ 27.1082, 0.4746,
0.4546

■ 39.2018, 0.3660,
0.3847

■ 25.7937, 0.4846,
0.4534

■ 41.7899, 0.3476,
0.3665

■ 44.5578, 0.3305,
0.3486

■ 47.5107, 0.3148,
0.3314

■ 50.6534, 0.3006,
0.3151

■ 53.9907, 0.2879,
0.3000

■ 57.5270, 0.2765,
0.2860

Harmonies

Analogous

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



32.4580, 0.4549, 0.3850



32.4580, 0.4252, 0.4338



32.4580, 0.3669, 0.4610

Triad

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



32.4580, 0.4252, 0.4338



32.4580, 0.1977, 0.3053



32.4580, 0.3149, 0.2424

Complementary

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



32.4580, 0.4252, 0.4338



14.9102, 0.2075, 0.1897

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.



32.4580, 0.2488, 0.2214



32.4580, 0.4252, 0.4338



32.4580, 0.1877, 0.2497

Square

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



32.4580, 0.4252, 0.4338



32.4580, 0.2361, 0.3807



32.4580, 0.2051, 0.2226



32.4580, 0.3884, 0.2812

Rectangle

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



32.4580, 0.4252, 0.4338



32.4580, 0.3208, 0.4554



32.4580, 0.2051, 0.2226



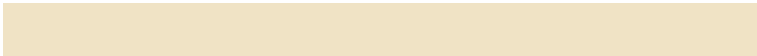
32.4580, 0.2910, 0.2332

Sweetspot

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



32.4596, 0.4252, 0.4338



77.2638, 0.3421, 0.3608



15.7571, 0.4404, 0.2813



16.3502, 0.3472, 0.3661



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



32.4596, 0.4252, 0.4338



54.0689, 0.4506, 0.4484



42.5625, 0.3783, 0.4813



10.0345, 0.3271, 0.3449



17.9012, 0.4836, 0.4542



0.7341, 0.4634, 0.4702

Inverse Universe

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



14.9102, 0.2075, 0.1897



19.7346, 0.1862, 0.1537



10.2298, 0.2123, 0.1420



9.1485, 0.2985, 0.3126



4.4044, 0.1617, 0.1022



0.2674, 0.1769, 0.1567

Previews

White Background



This preview shows how the Yxy color 32.4580, 0.4252, 0.4338 looks on a white background.

Color Contrast Check

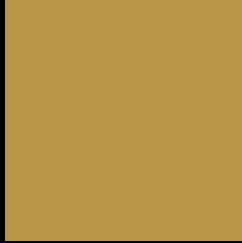
Large Text (above 18pt) WCAG AA × Fail

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 32.4580, 0.4252, 0.4338 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 32.4580, 0.4252, 0.4338

Background



This preview shows how black text looks on a background with the Yxy color 32.4580, 0.4252, 0.4338.

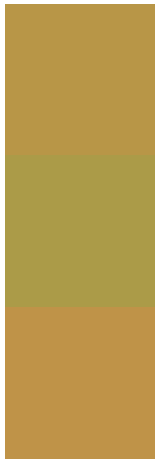


This preview shows how white text looks on a background with the Yxy color 32.4580, 0.4252, 0.4338.

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

32.4580, 0.4252, 0.4338

Protanopia

32.5685, 0.4061, 0.4455

Deuteranopia

32.4117, 0.4346, 0.4257



Tritanopia

32.3931, 0.3558, 0.3142

Trichromacy



Original Color

32.4580, 0.4252, 0.4338

Protanomaly

32.4805, 0.4131, 0.4405

Deuteranomaly

32.3391, 0.4305, 0.4283

Tritanomaly

32.0679, 0.3832, 0.3584

Monochromacy



Original Color

32.4580, 0.4252, 0.4338

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.3249, 0.3538, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4580, 0.4252, 0.4338 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(184, 150, 71)` looks like.

```
.text, #text, p{  
    color:rgb(184, 150, 71)  
}
```

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(184, 150, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 150, 71) }
```

Border

The CSS property to change the border of an element to Yxy 32.4580, 0.4252, 0.4338 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(184, 150, 71) }
```

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

```
.border{ border-color:rgb(184, 150, 71) }
```

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

Here you see how a box with a 4 pixel rgb(184, 150, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 150, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 150, 71);  
box-shadow:4px 4px 4px 4px rgb(184, 150,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4580, 0.4252, 0.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 150, 71) }
```

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

```
.background{ background-color: rgb(184,  
150, 71) }
```

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