

Converting Colors

$Yxy(33.4989, 0.4342, 0.4328)$

Have a look what the booklet for
Yxy(33.4989, 0.4342, 0.4328)
contains.

Yxy(33.3187, 0.4342, 0.4322)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.3187, 0.4342, 0.4322)

Conversions

Conversions Part 1

Format	Color
Hex	BF9645
RGB	191, 150, 69
RGB Percent	75%, 59%, 27%
CMY	0.2509, 0.4118, 0.7293
CMYK	0.00, 0.21, 0.64, 0.25
HSL	40°, 49%, 51%
HSV	40°, 64%, 75%
XYZ	33.4729, 33.3187, 10.2993
YIQ	153.0250, 50.4370, -16.4990

Conversions

Conversions Part 2

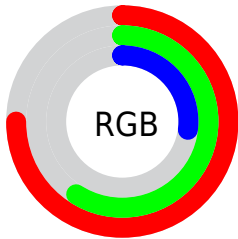
Format	Color
RYB	131, 191, 69
Decimal	12555845
CIELab	64.42, 6.46, 47.53
CIELCh	64, 47.962, 82.256
Yxy	33.3187, 0.4342, 0.4322
Android (android.graphics.Color)	4290745925 (0xFFBF9645)
YUV	153.0250, -41.4243, 33.3041
Hunter-Lab	57.7224, 2.4971, 29.8266

Details

The Yxy color **33.3187, 0.4342, 0.4322** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **16.1930, 0.2049, 0.1902**, and the grayscale version is **32.0364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8658, 0.4124, 0.4154**, and **14.0294, 0.4663, 0.4547** is the 20% darker color. If you saturate the color by 10%, you get **31.1253, 0.4540, 0.4419**, and if you desaturate by 10%, it is **35.7042, 0.4133, 0.4190**.

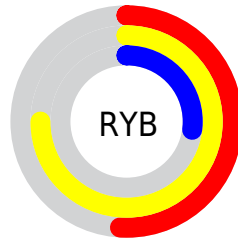
Distribution



Red (75%)

Green (59%)

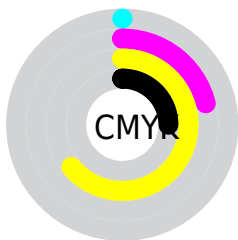
Blue (27%)



Red (51%)

Yellow (75%)

Blue (27%)

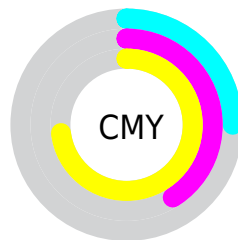


Cyan (0%)

Magenta (21%)

Yellow (64%)

Black (25%)



Cyan (25%)


Magenta (41%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3187, 0.4342, 0.4322 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 33.3187, 0.4342, 0.4322 by changing the saturation by 10% instead.


 33.3187, 0.4342,
0.4322

 33.3187, 0.4342,
0.4322


317.0834, 0.3728,
0.3821


 22.3707, 0.4484,
0.4429


 64.8728, 0.4124,
0.4150


 14.1295, 0.4654,
0.4549


 86.2477, 0.4040,
0.4082

 8.2108, 0.4853,
0.4676

 111.8669, 0.3968,
0.4023

 4.2301, 0.5146,
0.4854

 142.1150, 0.3907,
0.3972

 1.8031, 0.5234,
0.4766

 177.3763, 0.3853,
0.3927

 0.4891, 0.5601,
0.4399

218.0352, 0.3806,

 0.0000, 0.0000,

0.3887

0.0000

264.4761, 0.3765,
0.3852

■ 33.3187, 0.4342,
0.4322

■ 33.3187, 0.4342,
0.4322

■ 31.1253, 0.4540,
0.4419

■ 35.7042, 0.4133,
0.4190

■ 29.1097, 0.4717,
0.4472

■ 38.2852, 0.3922,
0.4034

■ 27.2624, 0.4863,
0.4474

■ 41.0711, 0.3718,
0.3864

■ 26.2018, 0.4943,
0.4457

■ 44.0687, 0.3526,
0.3690

■ 47.2848, 0.3348,
0.3518

■ 50.7255, 0.3186,
0.3352

■ 54.3967, 0.3040,
0.3195

■ 58.3040, 0.2909,
0.3048

■ 62.4528, 0.2793,
0.2913

Harmonies

Analogous

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



33.3187, 0.4611, 0.3802



33.3187, 0.4342, 0.4322



33.3187, 0.3760, 0.4649

Triad

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



33.3187, 0.4342, 0.4322



33.3187, 0.1966, 0.3120



33.3187, 0.3064, 0.2361

Complementary

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



33.3187, 0.4342, 0.4322



16.1930, 0.2049, 0.1902

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.



33.3187, 0.2402, 0.2168



33.3187, 0.4342, 0.4322



33.3187, 0.1832, 0.2514

Square

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



33.3187, 0.4342, 0.4322



33.3187, 0.2391, 0.3915



33.3187, 0.1981, 0.2205



33.3187, 0.3833, 0.2743

Rectangle

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



33.3187, 0.4342, 0.4322



33.3187, 0.3287, 0.4635



33.3187, 0.1981, 0.2205



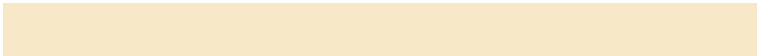
33.3187, 0.2822, 0.2273

Sweetspot

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



33.3203, 0.4342, 0.4322



81.4804, 0.3442, 0.3611



16.5024, 0.4417, 0.2747



17.5309, 0.3495, 0.3661



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



33.3203, 0.4342, 0.4322



54.1177, 0.4620, 0.4448



46.5592, 0.3838, 0.4844



10.5651, 0.3272, 0.3442



17.3664, 0.4930, 0.4468



0.7964, 0.4712, 0.4640

Inverse Universe

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



16.1930, 0.2049, 0.1902



21.2671, 0.1842, 0.1545



10.0628, 0.2039, 0.1324



9.7358, 0.2984, 0.3133



5.0346, 0.1641, 0.1107



0.3203, 0.1781, 0.1613

Previews

White Background



This preview shows how the Yxy color 33.3187, 0.4342, 0.4322 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 33.3187, 0.4342, 0.4322 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 33.3187, 0.4342, 0.4322

Background



This preview shows how black text looks on a background with the Yxy color 33.3187, 0.4342, 0.4322.



This preview shows how white text looks on a background with the Yxy color 33.3187, 0.4342, 0.4322.

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

33.3187, 0.4342, 0.4322

Protanopia

33.5675, 0.4084, 0.4473

Deuteranopia

33.3939, 0.4382, 0.4295



Tritanopia

33.1871, 0.3623, 0.3146

Trichromacy



Original Color

33.3187, 0.4342, 0.4322

Protanomaly

33.2567, 0.4181, 0.4417

Deuteranomaly

33.2620, 0.4372, 0.4301

Tritanomaly

32.9538, 0.3920, 0.3589

Monochromacy



Original Color

33.3187, 0.4342, 0.4322

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.0771, 0.3578, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3187, 0.4342, 0.4322 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(191, 150, 69)` looks like.

```
.text, #text, p{  
    color:rgb(191, 150, 69)  
}
```

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(191, 150, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 150, 69) }
```

Border

The CSS property to change the border of an element to Yxy 33.3187, 0.4342, 0.4322 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(191, 150, 69) }
```

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

```
.border{ border-color:rgb(191, 150, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 150, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 150, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 150, 69);  
box-shadow:4px 4px 4px 4px rgb(191, 150,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3187, 0.4342, 0.4322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 150, 69) }
```

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

```
.background{ background-color: rgb(191,  
150, 69) }
```

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