

Converting Colors

$Y_{xy}(33.0162, 0.4021, 0.4120)$

Have a look what the booklet for
Yxy(33.0162, 0.4021, 0.4120)
contains.

Yxy(33.0529, 0.4023, 0.4128)	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(33.0529, 0.4023, 0.4128)

Conversions

Conversions Part 1

Format	Color
Hex	B5985C
RGB	181, 152, 92
RGB Percent	71%, 60%, 36%
CMY	0.2903, 0.4039, 0.6392
CMYK	0.00, 0.16, 0.49, 0.29
HSL	40°, 38%, 54%
HSV	40°, 49%, 71%
XYZ	32.2122, 33.0529, 14.8049
YIQ	153.8310, 36.5440, -12.5120

Conversions

Conversions Part 2

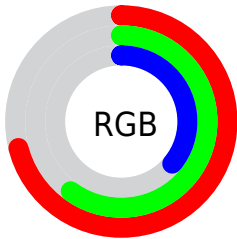
Format	Color
RYB	135, 181, 92
Decimal	11901020
CIELab	64.20, 2.90, 35.44
CIELCh	64, 35.556, 85.327
Yxy	33.0529, 0.4023, 0.4128
Android (android.graphics.Color)	4290091100 (0xFFB5985C)
YUV	153.8310, -30.4827, 23.8272
Hunter-Lab	57.4917, -0.5981, 24.9761

Details

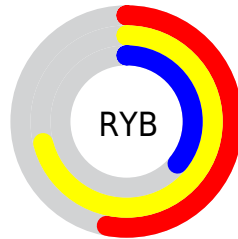
The Yxy color **33.0529, 0.4023, 0.4128** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.2748, 0.2297, 0.2261**, and the grayscale version is **32.3607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4765, 0.3860, 0.3974**, and **13.9248, 0.4287, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **30.9096, 0.4229, 0.4275**, and if you desaturate by 10%, it is **35.3700, 0.3818, 0.3963**.

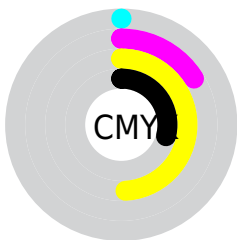
Distribution



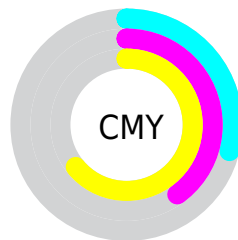
- Red (71%)
- Green (60%)
- Blue (36%)



- Red (53%)
- Yellow (71%)
- Blue (36%)



- Cyan (0%)
- Magenta (16%)
- Yellow (49%)
- Black (29%)





- Cyan (29%)
- Magenta (40%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0529, 0.4023, 0.4128 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 33.0529, 0.4023, 0.4128 by changing the saturation by 10% instead.


 33.0529, 0.4023,
0.4128

 33.0529, 0.4023,
0.4128


315.8880, 0.3560,
0.3701

 22.1670, 0.4139,
0.4232


 64.4581, 0.3853,
0.3974

 13.9796, 0.4284,
0.4360


 85.7462, 0.3790,
0.3915

 8.1065, 0.4469,
0.4518


 111.2704, 0.3736,
0.3866

 4.1632, 0.4746,
0.4751

 141.4152, 0.3690,
0.3823

 1.7653, 0.5038,
0.4962

176.5650, 0.3651,
0.3787

 0.4654, 0.5244,
0.4756

217.1041, 0.3617,

 0.0000, 0.0000,

0.3754

0.0000

263.4170, 0.3586,
0.3726

■ 33.0529, 0.4023,
0.4128

■ 33.0529, 0.4023,
0.4128

■ 30.9096, 0.4229,
0.4275

■ 35.3700, 0.3818,
0.3963

■ 28.9284, 0.4429,
0.4392

■ 37.8623, 0.3622,
0.3788

■ 27.1035, 0.4612,
0.4470

■ 40.5374, 0.3438,
0.3612

■ 25.4259, 0.4770,
0.4500

■ 43.4006, 0.3269,
0.3441

■ 23.8809, 0.4899,
0.4485

■ 46.4572, 0.3115,
0.3277

■ 23.7571, 0.4910,
0.4483

■ 49.7119, 0.2977,
0.3123

■ 53.1696, 0.2853,
0.2979

■ 56.8347, 0.2743,
0.2847

■ 60.7115, 0.2645,
0.2726

Harmonies

Analogous

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



33.0529, 0.4236, 0.3758



33.0529, 0.4023, 0.4128



33.0529, 0.3575, 0.4305

Triad

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



33.0529, 0.4023, 0.4128



33.0529, 0.2218, 0.3127



33.0529, 0.3148, 0.2596

Complementary

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



33.0529, 0.4023, 0.4128



19.2748, 0.2297, 0.2261

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.



33.0529, 0.2625, 0.2427



33.0529, 0.4023, 0.4128



33.0529, 0.2127, 0.2682

Square

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



33.0529, 0.4023, 0.4128



33.0529, 0.2536, 0.3691



33.0529, 0.2268, 0.2448



33.0529, 0.3711, 0.2913

Rectangle

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



33.0529, 0.4023, 0.4128



33.0529, 0.3213, 0.4245



33.0529, 0.2268, 0.2448



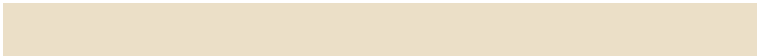
33.0529, 0.2961, 0.2521

Sweetspot

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



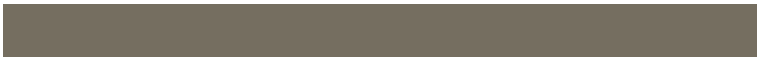
33.0545, 0.4023, 0.4128



74.5897, 0.3370, 0.3544



18.8707, 0.4008, 0.2868



15.8949, 0.3405, 0.3580



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.0545, 0.4023, 0.4128



55.0720, 0.4246, 0.4286



41.9350, 0.3696, 0.4531



9.4310, 0.3271, 0.3443



16.5119, 0.4899, 0.4492



0.6202, 0.4658, 0.4683

Inverse Universe

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



19.2748, 0.2297, 0.2261



27.5930, 0.2111, 0.1985



14.1030, 0.2341, 0.1813



8.6669, 0.2985, 0.3132



4.5643, 0.1635, 0.1084



0.2526, 0.1799, 0.1677

Previews

White Background



This preview shows how the Yxy color 33.0529, 0.4023, 0.4128 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 33.0529, 0.4023, 0.4128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

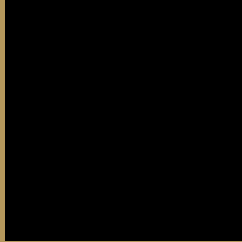
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0529, 0.4023, 0.4128

Background



This preview shows how black text looks on a background with the Yxy color 33.0529, 0.4023, 0.4128.



This preview shows how white text looks on a background with the Yxy color 33.0529, 0.4023, 0.4128.

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

33.0529, 0.4023, 0.4128

Protanopia

33.1133, 0.3868, 0.4208

Deuteranopia

33.1040, 0.4122, 0.4048



Tritanopia

32.9116, 0.3464, 0.3127

Trichromacy



Original Color

33.0529, 0.4023, 0.4128

Protanomaly

33.2317, 0.3918, 0.4179

Deuteranomaly

33.0421, 0.4082, 0.4071

Tritanomaly

32.8752, 0.3679, 0.3488

Monochromacy



Original Color

33.0529, 0.4023, 0.4128

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.3137, 0.3453, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0529, 0.4023, 0.4128 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(181, 152, 92)` looks like.

```
.text, #text, p{  
    color:rgb(181, 152, 92)  
}
```

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(181, 152, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 152, 92) }
```

Border

The CSS property to change the border of an element to Yxy 33.0529, 0.4023, 0.4128 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(181, 152, 92) }
```

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

```
.border{ border-color:rgb(181, 152, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 152, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 152, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 152, 92);  
box-shadow:4px 4px 4px 4px rgb(181, 152,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0529, 0.4023, 0.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 152, 92) }
```

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

```
.background{ background-color: rgb(181,  
152, 92) }
```

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