

Converting Colors

$Y_{xy}(23.4044, 0.4465, 0.3982)$

Have a look what the booklet for
Yxy(23.4044, 0.4465, 0.3982)
contains.

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Color

Yxy(23.3529, 0.4469, 0.3981)

Conversions

Conversions Part 1

Format	Color
Hex	B27847
RGB	178, 120, 71
RGB Percent	70%, 47%, 28%
CMY	0.3019, 0.5294, 0.7214
CMYK	0.00, 0.33, 0.60, 0.30
HSL	27°, 43%, 49%
HSV	27°, 60%, 70%
XYZ	26.2156, 23.3529, 9.0924
YIQ	131.7560, 50.2970, -2.9430

Conversions

Conversions Part 2

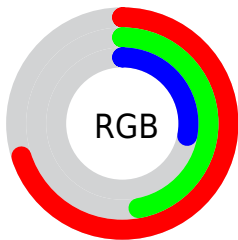
Format	Color
R_{YB}	178, 161, 71
Decimal	11696199
CIE _{Lab}	55.43, 17.56, 35.74
CIE _{LCh}	55, 39.826, 63.831
Yxy	23.3529, 0.4469, 0.3981
Android (android.graphics.Color)	4289886279 (0xFFB27847)
YUV	131.7560, -29.9527, 40.5560
Hunter-Lab	48.3248, 12.2653, 22.6718

Details

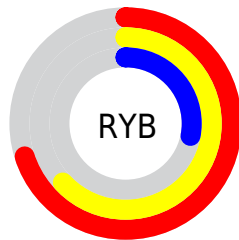
The Yxy color **23.3529, 0.4469, 0.3981** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.2655, 0.2206, 0.2418**, and the grayscale version is **23.0799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8900, 0.4192, 0.3857**, and **8.7100, 0.4938, 0.4118** is the 20% darker color. If you saturate the color by 10%, you get **20.9520, 0.4761, 0.4051**, and if you desaturate by 10%, it is **26.0571, 0.4186, 0.3882**.

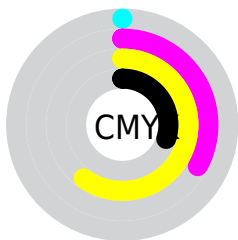
Distribution



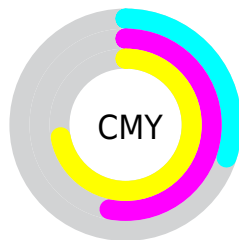
- Red (70%)
- Green (47%)
- Blue (28%)



- Red (70%)
- Yellow (63%)
- Blue (28%)



- Cyan (0%)
- Magenta (33%)
- Yellow (60%)
- Black (30%)





- Cyan (30%)
- Magenta (53%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3529, 0.4469, 0.3981 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 23.3529, 0.4469, 0.3981 by changing the saturation by 10% instead.


 23.3529, 0.4469,
0.3981


 23.3529, 0.4469,
0.3981

269.5324, 0.3731,
0.3643


 14.8543, 0.4667,
0.4050


 48.9721, 0.4188,
0.3866


 8.7172, 0.4924,
0.4121


 66.8616, 0.4086,
0.3820

 4.5572, 0.5283,
0.4195

 88.6501, 0.4001,
0.3780

 1.9899, 0.5781,
0.4219

 114.7220, 0.3930,
0.3745

 0.6016, 0.6269,
0.3731

 145.4619, 0.3869,
0.3714

 0.0000, 0.0000,
0.0000

181.2539, 0.3817,

0.3688

222.4827, 0.3771,
0.3664

■ 23.3529, 0.4469,
0.3981

■ 23.3529, 0.4469,
0.3981

■ 20.9520, 0.4761,
0.4051

■ 26.0571, 0.4186,
0.3882

■ 18.8381, 0.5046,
0.4081

■ 29.0731, 0.3923,
0.3767

■ 16.9979, 0.5304,
0.4059

■ 32.4131, 0.3685,
0.3645

■ 15.4226, 0.5526,
0.3994

■ 36.0876, 0.3474,
0.3522

■ 40.1065, 0.3289,
0.3403

■ 44.4794, 0.3129,
0.3291

■ 49.2153, 0.2989,
0.3186

■ 54.3229, 0.2869,
0.3089

■ 59.8106, 0.2764,
0.3001

Harmonies

Analogous

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



23.3529, 0.4465, 0.3459



23.3529, 0.4469, 0.3981



23.3529, 0.4090, 0.4416

Triad

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



23.3529, 0.4469, 0.3981



23.3529, 0.2252, 0.3586



23.3529, 0.2665, 0.2276

Complementary

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



23.3529, 0.4469, 0.3981



20.2655, 0.2206, 0.2418

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.



23.3529, 0.2170, 0.2225



23.3529, 0.4469, 0.3981



23.3529, 0.1951, 0.2886

Square

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



23.3529, 0.4469, 0.3981



23.3529, 0.2802, 0.4269



23.3529, 0.1927, 0.2418



23.3529, 0.3349, 0.2534

Rectangle

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



23.3529, 0.4469, 0.3981



23.3529, 0.3696, 0.4568



23.3529, 0.1927, 0.2418



23.3529, 0.2474, 0.2234

Sweetspot

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



23.3541, 0.4469, 0.3981



66.6924, 0.3439, 0.3501



15.5844, 0.3910, 0.2474



14.3283, 0.3496, 0.3536



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.



23.3541, 0.4469, 0.3981



36.7300, 0.4852, 0.4065



39.6762, 0.4004, 0.4621



9.1248, 0.3276, 0.3395



11.1574, 0.5508, 0.4009



0.4682, 0.5051, 0.4372

Inverse Universe

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



20.2655, 0.2206, 0.2418



30.5842, 0.2042, 0.2186



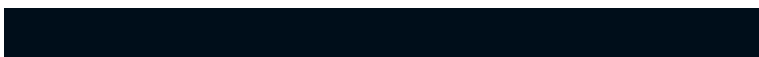
9.7770, 0.1997, 0.1474



8.9681, 0.2985, 0.3183



8.4805, 0.1818, 0.1744



0.3818, 0.1949, 0.2218

Previews

White Background



This preview shows how the Yxy color 23.3529, 0.4469, 0.3981 looks on a white background.

Color Contrast Check

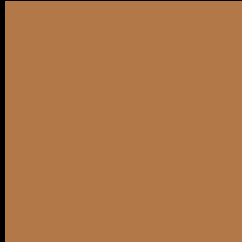
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3529, 0.4469, 0.3981 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 × Fail

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

Yxy 23.3529, 0.4469, 0.3981

Background



This preview shows how black text looks on a background with the Yxy color 23.3529, 0.4469, 0.3981.



This preview shows how white text looks on a background with the Yxy color 23.3529, 0.4469, 0.3981.

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

23.3529, 0.4469, 0.3981

Protanopia

23.4079, 0.3905, 0.4243

Deuteranopia

23.3949, 0.4240, 0.4173



Tritanopia

23.3849, 0.3915, 0.3177

Trichromacy



Original Color

23.3529, 0.4469, 0.3981

Protanomaly

23.2019, 0.4117, 0.4143

Deuteranomaly

23.1823, 0.4320, 0.4094

Tritanomaly

23.2938, 0.4147, 0.3481

Monochromacy



Original Color

23.3529, 0.4469, 0.3981

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.9537, 0.3591, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3529, 0.4469, 0.3981 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(178, 120, 71)` looks like.

```
.text, #text, p{  
    color:rgb(178, 120, 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(178, 120, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 120, 71) }
```

Border

The CSS property to change the border of an element to Yxy 23.3529, 0.4469, 0.3981 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(178, 120, 71) }
```

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

```
.border{ border-color:rgb(178, 120, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 120, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 120, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 120, 71);  
box-shadow:4px 4px 4px 4px rgb(178, 120,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3529, 0.4469, 0.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 120, 71) }
```

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

```
.background{ background-color: rgb(178,  
120, 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](#).

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