

Converting Colors

$Yxy(23.9446, 0.4851, 0.4282)$

Have a look what the booklet for
Yxy(23.9446, 0.4851, 0.4282)
contains.

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Color

Yxy(23.8746, 0.4849, 0.4281)

Conversions

Conversions Part 1

Format	Color
Hex	B97824
RGB	185, 120, 36
RGB Percent	73%, 47%, 14%
CMY	0.2745, 0.5294, 0.8588
CMYK	0.00, 0.35, 0.81, 0.27
HSL	34°, 67%, 43%
HSV	34°, 81%, 73%
XYZ	27.0423, 23.8746, 4.8519
YIQ	129.8590, 65.7040, -12.3440

Conversions

Conversions Part 2

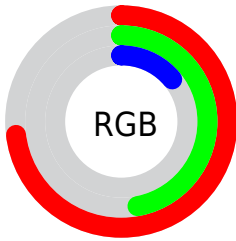
Format	Color
R_{YB}	151, 185, 36
Decimal	12154916
CIE _{Lab}	55.96, 18.67, 53.17
CIE _{LCh}	56, 56.351, 70.647
Yxy	23.8746, 0.4849, 0.4281
Android (android.graphics.Color)	4290344996 (0xFFB97824)
YUV	129.8590, -46.2725, 48.3587
Hunter-Lab	48.8616, 13.2822, 28.3157

Details

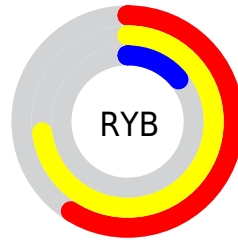
The Yxy color **23.8746, 0.4849, 0.4281** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **13.1838, 0.1885, 0.1757**, and the grayscale version is **22.4208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6221, 0.4524, 0.4144**, and **9.0185, 0.5195, 0.4257** is the 20% darker color. If you saturate the color by 10%, you get **21.9304, 0.5054, 0.4279**, and if you desaturate by 10%, it is **26.0432, 0.4617, 0.4232**.

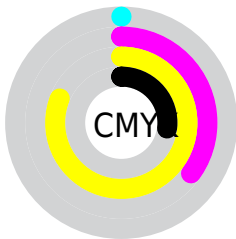
Distribution



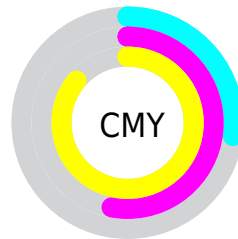
- Red (73%)
- Green (47%)
- Blue (14%)



- Red (59%)
- Yellow (73%)
- Blue (14%)



- Cyan (0%)
- Magenta (35%)
- Yellow (81%)
- Black (27%)



- Cyan (27%)
- Magenta (53%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8746, 0.4849, 0.4281 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 23.8746, 0.4849, 0.4281 by changing the saturation by 10% instead.


 23.8746, 0.4849,
0.4281


 23.8746, 0.4849,
0.4281


272.1859, 0.3947,
0.3836


 15.2406, 0.5057,
0.4344


 49.8255, 0.4526,
0.4148


 8.9884, 0.5307,
0.4391


 67.9112, 0.4402,
0.4088

 4.7336, 0.5607,
0.4393


 89.9163, 0.4296,
0.4033

 2.0918, 0.5819,
0.4181

 116.2251, 0.4206,
0.3985

 0.6600, 0.6265,
0.3735

 147.2221, 0.4127,
0.3941

 0.0000, 1.0000,
0.0000

 183.2916, 0.4059,

 0.0000, 0.0000,

0.3903

0.0000

224.8181, 0.4000,
0.3868

■ 23.8746, 0.4849,
0.4281

■ 23.8746, 0.4849,
0.4281

■ 21.9304, 0.5054,
0.4279

■ 26.0432, 0.4617,
0.4232

■ 20.2757, 0.5221,
0.4236

■ 28.4443, 0.4372,
0.4141

■ 31.0897, 0.4128,
0.4020

■ 33.9887, 0.3892,
0.3880

■ 37.1503, 0.3673,
0.3732

■ 40.5825, 0.3473,
0.3582

■ 44.2933, 0.3294,
0.3436

■ 48.2899, 0.3135,
0.3297

■ 52.5795, 0.2995,
0.3167

Harmonies

Analogous

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



23.8746, 0.5036, 0.3597



23.8746, 0.4849, 0.4281



23.8746, 0.4200, 0.4895

Triad

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



23.8746, 0.4849, 0.4281



23.8746, 0.1808, 0.3432



23.8746, 0.2671, 0.2010

Complementary

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



23.8746, 0.4849, 0.4281



13.1838, 0.1885, 0.1757

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.



23.8746, 0.1964, 0.1871



23.8746, 0.4849, 0.4281



23.8746, 0.1531, 0.2514

Square

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



23.8746, 0.4849, 0.4281



23.8746, 0.2449, 0.4529



23.8746, 0.1590, 0.2015



23.8746, 0.3650, 0.2389

Rectangle

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



23.8746, 0.4849, 0.4281



23.8746, 0.3630, 0.5112



23.8746, 0.1590, 0.2015



23.8746, 0.2399, 0.1935

Sweetspot

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



23.8758, 0.4849, 0.4281



70.2580, 0.3548, 0.3639



12.5562, 0.4646, 0.2527



14.6797, 0.3619, 0.3692



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.



23.8758, 0.4849, 0.4281



36.7460, 0.5192, 0.4240



44.2362, 0.4060, 0.5000



9.8297, 0.3274, 0.3419



13.9533, 0.5204, 0.4250



0.6127, 0.4878, 0.4509

Inverse Universe

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



13.1838, 0.1885, 0.1757



17.1743, 0.1727, 0.1399



5.2879, 0.1676, 0.0852



9.3467, 0.2985, 0.3158



6.5013, 0.1721, 0.1395



0.3528, 0.1863, 0.1908

Previews

White Background



This preview shows how the Yxy color 23.8746, 0.4849, 0.4281 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 23.8746, 0.4849, 0.4281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

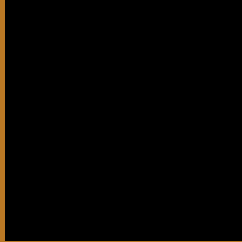
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8746, 0.4849, 0.4281

Background



This preview shows how black text looks on a background with the Yxy color 23.8746, 0.4849, 0.4281.



This preview shows how white text looks on a background with the Yxy color 23.8746, 0.4849, 0.4281.

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

23.8746, 0.4849, 0.4281

Protanopia

24.0605, 0.4245, 0.4684

Deuteranopia

23.9832, 0.4585, 0.4515



Tritanopia

23.8916, 0.4051, 0.3182

Trichromacy



Original Color

23.8746, 0.4849, 0.4281

Protanomaly

23.8983, 0.4455, 0.4539

Deuteranomaly

23.8967, 0.4686, 0.4426

Tritanomaly

23.6741, 0.4421, 0.3650

Monochromacy



Original Color

23.8746, 0.4849, 0.4281

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.2503, 0.3780, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8746, 0.4849, 0.4281 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(185, 120, 36)` looks like.

```
.text, #text, p{  
    color:rgb(185, 120, 36)  
}
```

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(185, 120, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 120, 36) }
```

Border

The CSS property to change the border of an element to Yxy 23.8746, 0.4849, 0.4281 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(185, 120, 36) }
```

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

```
.border{ border-color:rgb(185, 120, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 120, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 120, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 120, 36);  
box-shadow:4px 4px 4px 4px rgb(185, 120,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8746, 0.4849, 0.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 120, 36) }
```

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

```
.background{ background-color: rgb(185,  
120, 36) }
```

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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