

Converting Colors

$Y_{xy}(23.3879, 0.4830, 0.4409)$

Have a look what the booklet for
Yxy(23.3879, 0.4830, 0.4409)
contains.

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Color

Yxy(23.3244, 0.4835, 0.4406)

Conversions

Conversions Part 1

Format	Color
Hex	B37918
RGB	179, 121, 24
RGB Percent	70%, 47%, 9%
CMY	0.2980, 0.5255, 0.9058
CMYK	0.00, 0.32, 0.87, 0.30
HSL	38°, 76%, 40%
HSV	38°, 87%, 70%
XYZ	25.5954, 23.3244, 4.0180
YIQ	127.2840, 65.7050, -17.8710

Conversions

Conversions Part 2

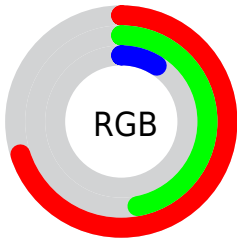
Format	Color
R _Y B	117, 179, 24
Decimal	11761944
CIE Lab	55.40, 15.10, 56.53
CIE LCh	55, 58.509, 75.041
Yxy	23.3244, 0.4835, 0.4406
Android (android.graphics.Color)	4289952024 (0xFFB37918)
YUV	127.2840, -50.9190, 45.3549
Hunter-Lab	48.2953, 10.0841, 28.8740

Details

The Yxy color **23.3244, 0.4835, 0.4406** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.4898, 0.1777, 0.1462**, and the grayscale version is **21.4895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8024, 0.4524, 0.4250**, and **8.8300, 0.5068, 0.4358** is the 20% darker color. If you saturate the color by 10%, you get **21.7005, 0.4991, 0.4389**, and if you desaturate by 10%, it is **25.1118, 0.4648, 0.4373**.

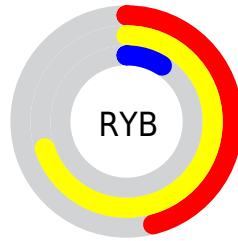
Distribution



Red (70%)

Green (47%)

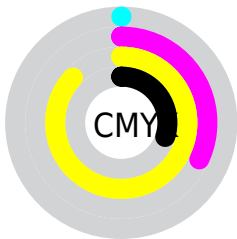
Blue (9%)



Red (46%)

Yellow (70%)

Blue (9%)

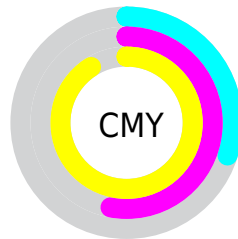


Cyan (0%)

Magenta (32%)

Yellow (87%)

Black (30%)



Cyan (30%)

Magenta (53%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3244, 0.4835, 0.4406 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 23.3244, 0.4835, 0.4406 by changing the saturation by 10% instead.


 23.3244, 0.4835,
0.4406


 23.3244, 0.4835,
0.4406


269.3868, 0.3953,
0.3899


 14.8332, 0.5028,
0.4479


 48.9254, 0.4525,
0.4253


 8.7024, 0.5278,
0.4557


 66.8041, 0.4404,
0.4184

 4.5476, 0.5481,
0.4519

 88.5807, 0.4300,
0.4123

 1.9844, 0.5662,
0.4338

 114.6397, 0.4210,
0.4067

 0.5984, 0.6113,
0.3887


 145.3654, 0.4133,
0.4018

 0.0000, 0.0000,
0.0000


 181.1422, 0.4065,


0.3974


 222.3545, 0.4005,
0.3935


 23.3244, 0.4835,
0.4406


 23.3244, 0.4835,
0.4406

 21.7005, 0.4991,
0.4389

 25.1118, 0.4648,
0.4373

 21.1753, 0.5043,
0.4378

 27.0705, 0.4438,
0.4293

 29.2108, 0.4217,
0.4176

 31.5404, 0.3996,
0.4033

 34.0667, 0.3781,
0.3875

■ 36.7963, 0.3580,
0.3711

■ 39.7354, 0.3395,
0.3548

■ 42.8900, 0.3228,
0.3390

■ 46.2657, 0.3078,
0.3240

Harmonies

Analogous

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



23.3244, 0.5127, 0.3696



23.3244, 0.4835, 0.4406



23.3244, 0.4106, 0.5028

Triad

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



23.3244, 0.4835, 0.4406



23.3244, 0.1690, 0.3267



23.3244, 0.2785, 0.2007

Complementary

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



23.3244, 0.4835, 0.4406



9.4898, 0.1777, 0.1462

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.



23.3244, 0.2004, 0.1825



23.3244, 0.4835, 0.4406



23.3244, 0.1463, 0.2373

Square

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



23.3244, 0.4835, 0.4406



23.3244, 0.2296, 0.4440



23.3244, 0.1572, 0.1923



23.3244, 0.3829, 0.2429

Rectangle

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



23.3244, 0.4835, 0.4406



23.3244, 0.3500, 0.5208



23.3244, 0.1572, 0.1923



23.3244, 0.2487, 0.1917

Sweetspot

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



23.3256, 0.4835, 0.4406



65.9620, 0.3578, 0.3709



10.8708, 0.5042, 0.2674



14.2339, 0.3645, 0.3765



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.



23.3256, 0.4835, 0.4406



37.4730, 0.5060, 0.4364



39.8822, 0.3982, 0.5127



9.3613, 0.3272, 0.3432



15.0888, 0.5030, 0.4388



0.5823, 0.4741, 0.4617

Inverse Universe

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



9.4898, 0.1777, 0.1462



12.6228, 0.1657, 0.1164



4.4037, 0.1658, 0.0775



8.7340, 0.2985, 0.3144



5.2530, 0.1671, 0.1215



0.2796, 0.1834, 0.1802

Previews

White Background



This preview shows how the Yxy color 23.3244, 0.4835, 0.4406 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 23.3244, 0.4835, 0.4406 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 23.3244, 0.4835, 0.4406

Background



This preview shows how black text looks on a background with the Yxy color 23.3244, 0.4835, 0.4406.



This preview shows how white text looks on a background with the Yxy color 23.3244, 0.4835, 0.4406.

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

23.3244, 0.4835, 0.4406

Protanopia

23.3382, 0.4325, 0.4770

Deuteranopia

23.2970, 0.4659, 0.4573



Tritanopia

23.3811, 0.3959, 0.3178

Trichromacy



Original Color

23.3244, 0.4835, 0.4406

Protanomaly

23.3522, 0.4513, 0.4636

Deuteranomaly

23.2401, 0.4729, 0.4512

Tritanomaly

23.1078, 0.4379, 0.3718

Monochromacy



Original Color

23.3244, 0.4835, 0.4406

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.5164, 0.3806, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3244, 0.4835, 0.4406 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(179, 121, 24)` looks like.

```
.text, #text, p{  
    color:rgb(179, 121, 24)  
}
```

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(179, 121, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 121, 24) }
```

Border

The CSS property to change the border of an element to Yxy 23.3244, 0.4835, 0.4406 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(179, 121, 24) }
```

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

```
.border{ border-color:rgb(179, 121, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 121, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 121, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 121, 24);  
box-shadow:4px 4px 4px 4px rgb(179, 121,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3244, 0.4835, 0.4406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 121, 24) }
```

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

```
.background{ background-color: rgb(179,  
121, 24) }
```

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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