

Converting Colors

$Y_{xy}(23.1521, 0.4312, 0.4333)$

Have a look what the booklet for
Yxy(23.1521, 0.4312, 0.4333)
contains.

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Color

Yxy(23.3209, 0.4310, 0.4336)

Conversions

Conversions Part 1

Format	Color
Hex	A1803A
RGB	161, 128, 58
RGB Percent	63%, 50%, 23%
CMY	0.3686, 0.4980, 0.7725
CMYK	0.00, 0.20, 0.64, 0.37
HSL	41°, 47%, 43%
HSV	41°, 64%, 63%
XYZ	23.1811, 23.3209, 7.2824
YIQ	129.8870, 42.1380, -14.7740

Conversions

Conversions Part 2

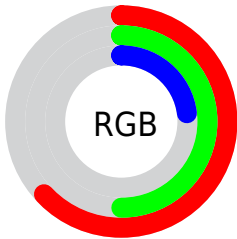
Format	Color
R_{YB}	107, 161, 58
Decimal	10584122
CIE _{Lab}	55.40, 4.63, 41.92
CIE _{LCh}	55, 42.177, 83.699
Yxy	23.3209, 0.4310, 0.4336
Android (android.graphics.Color)	4288774202 (0xFFA1803A)
YUV	129.8870, -35.4403, 27.2861
Hunter-Lab	48.2917, 1.1733, 24.8633

Details

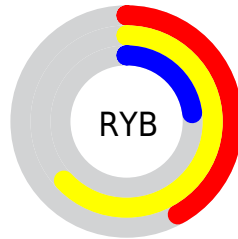
The Yxy color **23.3209, 0.4310, 0.4336** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.9547, 0.2052, 0.1886**, and the grayscale version is **22.3983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0359, 0.4070, 0.4145**, and **8.6693, 0.4660, 0.4605** is the 20% darker color. If you saturate the color by 10%, you get **21.8714, 0.4500, 0.4438**, and if you desaturate by 10%, it is **24.8923, 0.4109, 0.4201**.

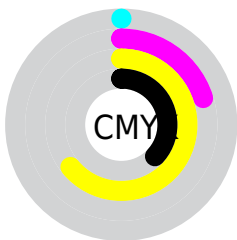
Distribution



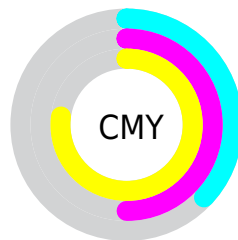
- Red (63%)
- Green (50%)
- Blue (23%)



- Red (42%)
- Yellow (63%)
- Blue (23%)



- Cyan (0%)
- Magenta (20%)
- Yellow (64%)
- Black (37%)





- Cyan (37%)
- Magenta (50%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3209, 0.4310, 0.4336 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 23.3209, 0.4310, 0.4336 by changing the saturation by 10% instead.


 23.3209, 0.4310,
0.4336


 23.3209, 0.4310,
0.4336


269.3689, 0.3677,
0.3793


 14.8306, 0.4467,
0.4462

 48.9197, 0.4076,
0.4141


 8.7006, 0.4659,
0.4607


 66.7970, 0.3989,
0.4066


 4.5464, 0.4994,
0.4866

 88.5722, 0.3915,
0.4003

 1.9837, 0.5125,
0.4875

 114.6295, 0.3853,
0.3948

 0.5980, 0.5326,
0.4674

 145.3535, 0.3800,
0.3901

 0.0000, 0.0000,
0.0000

 181.1285, 0.3753,

0.3860

222.3388, 0.3713,
0.3824

■ 23.3209, 0.4310,
0.4336

■ 23.3209, 0.4310,
0.4336

■ 21.8714, 0.4500,
0.4438

■ 24.8923, 0.4109,
0.4201

■ 20.5344, 0.4670,
0.4497

■ 26.5876, 0.3906,
0.4043

■ 19.3042, 0.4811,
0.4507

■ 28.4127, 0.3708,
0.3871

■ 18.6049, 0.4889,
0.4500

■ 30.3720, 0.3520,
0.3696

■ 32.4697, 0.3346,
0.3522

■ 34.7098, 0.3186,
0.3354

■ 37.0960, 0.3042,
0.3195

■ 39.6319, 0.2913,
0.3047

■ 42.3207, 0.2797,
0.2909

Harmonies

Analogous

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



23.3209, 0.4595, 0.3825



23.3209, 0.4310, 0.4336



23.3209, 0.3723, 0.4643

Triad

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



23.3209, 0.4310, 0.4336



23.3209, 0.1963, 0.3087



23.3209, 0.3101, 0.2383

Complementary

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



23.3209, 0.4310, 0.4336



10.9547, 0.2052, 0.1886

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.



23.3209, 0.2435, 0.2181



23.3209, 0.4310, 0.4336



23.3209, 0.1843, 0.2500

Square

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



23.3209, 0.4310, 0.4336



23.3209, 0.2371, 0.3871



23.3209, 0.2004, 0.2207



23.3209, 0.3861, 0.2770

Rectangle

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



23.3209, 0.4310, 0.4336



23.3209, 0.3252, 0.4611



23.3209, 0.2004, 0.2207



23.3209, 0.2859, 0.2293

Sweetspot

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



23.3220, 0.4310, 0.4336



56.0965, 0.3438, 0.3615



11.3819, 0.4431, 0.2777



12.0838, 0.3485, 0.3662



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



23.3220, 0.4310, 0.4336



38.0742, 0.4579, 0.4470



31.7101, 0.3814, 0.4841



7.8528, 0.3269, 0.3442



14.9347, 0.4882, 0.4506



0.3933, 0.4581, 0.4745

Inverse Universe

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



10.9547, 0.2052, 0.1886



14.2909, 0.1841, 0.1524



7.1020, 0.2070, 0.1353



7.2132, 0.2987, 0.3133



4.0535, 0.1633, 0.1079



0.1673, 0.1835, 0.1806

Previews

White Background



This preview shows how the Yxy color 23.3209, 0.4310, 0.4336 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 23.3209, 0.4310, 0.4336 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 23.3209, 0.4310, 0.4336

Background



This preview shows how black text looks on a background with the Yxy color 23.3209, 0.4310, 0.4336.



This preview shows how white text looks on a background with the Yxy color 23.3209, 0.4310, 0.4336.

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

23.3209, 0.4310, 0.4336

Protanopia

23.3972, 0.4081, 0.4459

Deuteranopia

23.2265, 0.4380, 0.4285



Tritanopia

23.2601, 0.3599, 0.3137

Trichromacy



Original Color

23.3209, 0.4310, 0.4336

Protanomaly

23.3207, 0.4172, 0.4413

Deuteranomaly

23.3767, 0.4357, 0.4305

Tritanomaly

23.1647, 0.3891, 0.3591

Monochromacy



Original Color

23.3209, 0.4310, 0.4336

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.3627, 0.3556, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3209, 0.4310, 0.4336 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(161, 128, 58)` looks like.

```
.text, #text, p{  
    color:rgb(161, 128, 58)  
}
```

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(161, 128, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 128, 58) }
```

Border

The CSS property to change the border of an element to Yxy 23.3209, 0.4310, 0.4336 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(161, 128, 58) }
```

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

```
.border{ border-color:rgb(161, 128, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 128, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 128, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 128, 58);  
box-shadow:4px 4px 4px 4px rgb(161, 128,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3209, 0.4310, 0.4336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 128, 58) }
```

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

```
.background{ background-color: rgb(161,  
128, 58) }
```

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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