

Converting Colors

$Y_{xy}(23.5925, 0.4296, 0.4542)$

Have a look what the booklet for
Yxy(23.5925, 0.4296, 0.4542)
contains.

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Color

$Y_{xy}(23.5058, 0.4305, 0.4530)$

Conversions

Conversions Part 1

Format	Color
Hex	9C832F
RGB	156, 131, 47
RGB Percent	61%, 51%, 18%
CMY	0.3883, 0.4862, 0.8158
CMYK	0.00, 0.16, 0.70, 0.39
HSL	46°, 54%, 40%
HSV	46°, 70%, 61%
XYZ	22.3383, 23.5058, 6.0451
YIQ	128.8990, 41.8640, -20.8240

Conversions

Conversions Part 2

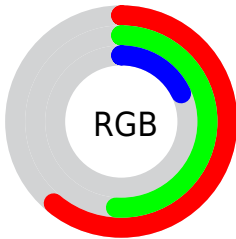
Format	Color
R_{YB}	79, 156, 47
Decimal	10257199
CIE Lab	55.59, -0.02, 47.13
CIE LCh	56, 47.133, 90.018
Yxy	23.5058, 0.4305, 0.4530
Android (android.graphics.Color)	4288447279 (0xFF9C832F)
YUV	128.8990, -40.3762, 23.7676
Hunter-Lab	48.4828, -2.6015, 26.5454

Details

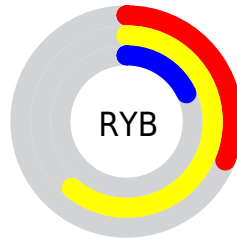
The Yxy color **23.5058, 0.4305, 0.4530** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.6321, 0.1915, 0.1541**, and the grayscale version is **22.0481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3090, 0.4079, 0.4299**, and **8.8013, 0.4546, 0.4772** is the 20% darker color. If you saturate the color by 10%, you get **22.4590, 0.4447, 0.4623**, and if you desaturate by 10%, it is **24.6330, 0.4143, 0.4398**.

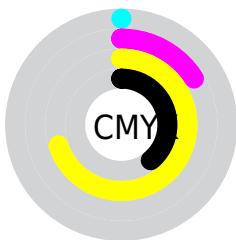
Distribution



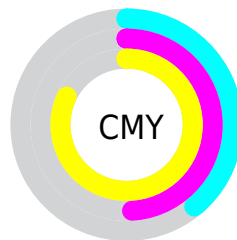
- Red (61%)
- Green (51%)
- Blue (18%)



- Red (31%)
- Yellow (61%)
- Blue (18%)



- Cyan (0%)
- Magenta (16%)
- Yellow (70%)
- Black (39%)




- Cyan (39%)
- Magenta (49%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5058, 0.4305, 0.4530 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 23.5058, 0.4305, 0.4530 by changing the saturation by 10% instead.


 23.5058, 0.4305,
0.4530


 23.5058, 0.4305,
0.4530


 270.3124, 0.3691,
0.3884


 14.9674, 0.4446,
0.4678


 49.2225, 0.4085,
0.4299


 8.7965, 0.4605,
0.4846


 67.1697, 0.4001,
0.4210


 4.6087, 0.4872,
0.5128

 89.0219, 0.3929,
0.4134

 2.0196, 0.4872,
0.5128

 115.1635, 0.3867,
0.4069

 0.6188, 0.4871,
0.5129

 145.9790, 0.3814,
0.4013

 0.0000, 0.0000,
0.0000

 181.8527, 0.3768,

0.3964

223.1690, 0.3727,
0.3922

■ 23.5058, 0.4305,
0.4530

■ 23.5058, 0.4305,
0.4530

■ 22.4590, 0.4447,
0.4623

■ 24.6330, 0.4143,
0.4398

■ 21.4837, 0.4564,
0.4671

■ 25.8419, 0.3968,
0.4237

■ 20.5688, 0.4658,
0.4683

■ 27.1377, 0.3788,
0.4055

■ 20.5592, 0.4659,
0.4683

■ 28.5241, 0.3610,
0.3862

■ 30.0047, 0.3438,
0.3666

■ 31.5826, 0.3276,
0.3474

■ 33.2608, 0.3126,
0.3288

■ 35.0423, 0.2988,
0.3113

■ 36.9297, 0.2862,
0.2949

Harmonies

Analogous

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



23.5058, 0.4719, 0.3982



23.5058, 0.4305, 0.4530



23.5058, 0.3608, 0.4818

Triad

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



23.5058, 0.4305, 0.4530



23.5058, 0.1795, 0.2890



23.5058, 0.3271, 0.2371

Complementary

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



23.5058, 0.4305, 0.4530



7.6321, 0.1915, 0.1541

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.



23.5058, 0.2495, 0.2105



23.5058, 0.4305, 0.4530



23.5058, 0.1736, 0.2317

Square

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



23.5058, 0.4305, 0.4530



23.5058, 0.2167, 0.3749



23.5058, 0.1971, 0.2073



23.5058, 0.4108, 0.2821

Rectangle

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



23.5058, 0.4305, 0.4530



23.5058, 0.3083, 0.4712



23.5058, 0.1971, 0.2073



23.5058, 0.2992, 0.2258

Sweetspot

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



23.5069, 0.4305, 0.4530



54.0810, 0.3464, 0.3696



9.5707, 0.4866, 0.2928



11.7478, 0.3507, 0.3746



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.5069, 0.4305, 0.4530



39.7579, 0.4518, 0.4656



28.4857, 0.3729, 0.5024



7.4624, 0.3266, 0.3461



16.9897, 0.4655, 0.4686



0.3621, 0.4439, 0.4857

Inverse Universe

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



7.6321, 0.1915, 0.1541



9.3002, 0.1700, 0.1144



5.9685, 0.2081, 0.1242



6.6697, 0.2988, 0.3113



3.0497, 0.1577, 0.0878



0.1115, 0.1766, 0.1557

Previews

White Background



This preview shows how the Yxy color 23.5058, 0.4305, 0.4530 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 23.5058, 0.4305, 0.4530 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 23.5058, 0.4305, 0.4530

Background



This preview shows how black text looks on a background with the Yxy color 23.5058, 0.4305, 0.4530.



This preview shows how white text looks on a background with the Yxy color 23.5058, 0.4305, 0.4530.

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

23.5058, 0.4305, 0.4530

Protanopia

23.6532, 0.4179, 0.4607

Deuteranopia

23.4991, 0.4464, 0.4399



Tritanopia

23.5132, 0.3503, 0.3150

Trichromacy



Original Color

23.5058, 0.4305, 0.4530

Protanomaly

23.6639, 0.4226, 0.4573

Deuteranomaly

23.3331, 0.4405, 0.4439

Tritanomaly

23.3349, 0.3847, 0.3694

Monochromacy



Original Color

23.5058, 0.4305, 0.4530

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.3551, 0.3585, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5058, 0.4305, 0.4530 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(156, 131, 47)` looks like.

```
.text, #text, p{  
    color:rgb(156, 131, 47)  
}
```

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(156, 131, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 131, 47) }
```

Border

The CSS property to change the border of an element to Yxy 23.5058, 0.4305, 0.4530 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(156, 131, 47) }
```

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

```
.border{ border-color:rgb(156, 131, 47) }
```

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

Here you see how a box with a 4 pixel rgb(156, 131, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 131, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 131, 47);  
box-shadow:4px 4px 4px 4px rgb(156, 131,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5058, 0.4305, 0.4530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 131, 47) }
```

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

```
.background{ background-color: rgb(156,  
131, 47) }
```

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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