

Converting Colors

$Y_{xy}(23.5718, 0.4509, 0.4572)$

Have a look what the booklet for
Yxy(23.5718, 0.4509, 0.4572)
contains.

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Color

Yxy(23.5968, 0.4502, 0.4573)

Conversions

Conversions Part 1

Format	Color
Hex	A38121
RGB	163, 129, 33
RGB Percent	64%, 51%, 13%
CMY	0.3608, 0.4941, 0.8704
CMYK	0.00, 0.21, 0.80, 0.36
HSL	44°, 66%, 38%
HSV	44°, 80%, 64%
XYZ	23.2304, 23.5968, 4.7730
YIQ	128.2220, 51.0800, -22.6480

Conversions

Conversions Part 2

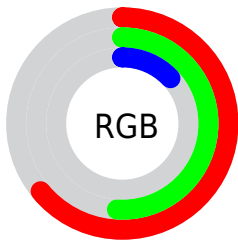
Format	Color
R_{YB}	79, 163, 33
Decimal	10715425
CIE _{Lab}	55.68, 3.64, 53.07
CIE _{LCh}	56, 53.195, 86.075
Yxy	23.5968, 0.4502, 0.4573
Android (android.graphics.Color)	4288905505 (0xFFA38121)
YUV	128.2220, -46.9444, 30.5003
Hunter-Lab	48.5765, 0.3539, 28.1779

Details

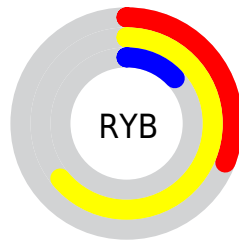
The Yxy color **23.5968, 0.4502, 0.4573** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.9904, 0.1787, 0.1351**, and the grayscale version is **21.8233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4999, 0.4247, 0.4360**, and **8.8631, 0.4692, 0.4656** is the 20% darker color. If you saturate the color by 10%, you get **22.4271, 0.4631, 0.4615**, and if you desaturate by 10%, it is **24.8599, 0.4347, 0.4485**.

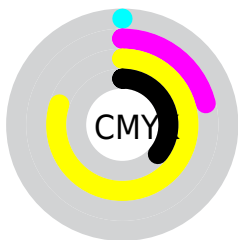
Distribution



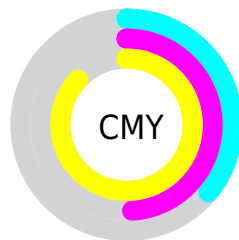
- Red (64%)
- Green (51%)
- Blue (13%)



- Red (31%)
- Yellow (64%)
- Blue (13%)



- Cyan (0%)
- Magenta (21%)
- Yellow (80%)
- Black (36%)




- Cyan (36%)
- Magenta (49%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5968, 0.4502, 0.4573 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 23.5968, 0.4502, 0.4573 by changing the saturation by 10% instead.

 23.5968, 0.4502,
0.4573


 23.5968, 0.4502,
0.4573


270.7756, 0.3796,
0.3932


 15.0348, 0.4655,
0.4702


 49.3714, 0.4255,
0.4355

 8.8438, 0.4833,
0.4843


 67.3528, 0.4158,
0.4267


 4.6394, 0.5023,
0.4977

 89.2429, 0.4074,
0.4191

 2.0373, 0.5070,
0.4930

 115.4259, 0.4003,
0.4125

 0.6290, 0.5219,
0.4781

 146.2862, 0.3941,
0.4067

 0.0000, 0.0000,
0.0000

 182.2084, 0.3886,

0.4016

223.5767, 0.3838,
0.3972

■ 23.5968, 0.4502,
0.4573

■ 23.5968, 0.4502,
0.4573

■ 22.4271, 0.4631,
0.4615

■ 24.8599, 0.4347,
0.4485

■ 21.3344, 0.4737,
0.4619

■ 26.2193, 0.4172,
0.4358

■ 21.3045, 0.4740,
0.4619

■ 27.6813, 0.3987,
0.4202

■ 29.2509, 0.3799,
0.4025

■ 30.9323, 0.3615,
0.3838

■ 32.7295, 0.3439,
0.3649

■ 34.6464, 0.3275,
0.3463

■ 36.6865, 0.3123,
0.3285

■ 38.8531, 0.2985,
0.3117

Harmonies

Analogous

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



23.5968, 0.4926, 0.3936



23.5968, 0.4502, 0.4573



23.5968, 0.3749, 0.4995

Triad

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



23.5968, 0.4502, 0.4573



23.5968, 0.1686, 0.2937



23.5968, 0.3156, 0.2224

Complementary

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



23.5968, 0.4502, 0.4573



6.9904, 0.1787, 0.1351

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.



23.5968, 0.2326, 0.1966



23.5968, 0.4502, 0.4573



23.5968, 0.1587, 0.2261

Square

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



23.5968, 0.4502, 0.4573



23.5968, 0.2130, 0.3944



23.5968, 0.1800, 0.1962



23.5968, 0.4114, 0.2690

Rectangle

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



23.5968, 0.4502, 0.4573



23.5968, 0.3171, 0.4964



23.5968, 0.1800, 0.1962



23.5968, 0.2851, 0.2112

Sweetspot

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



23.5980, 0.4502, 0.4573



57.0652, 0.3521, 0.3738



9.2918, 0.5164, 0.2875



12.5729, 0.3581, 0.3803



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



23.5980, 0.4502, 0.4573



38.5822, 0.4714, 0.4615



31.2671, 0.3799, 0.5166



7.9221, 0.3268, 0.3455



16.6329, 0.4734, 0.4623



0.4196, 0.4502, 0.4808

Inverse Universe

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



6.9904, 0.1787, 0.1351



8.1960, 0.1610, 0.0967



4.8047, 0.1879, 0.0978



7.1474, 0.2987, 0.3119



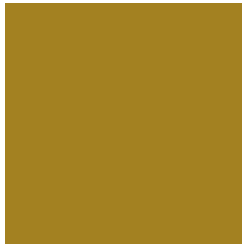
3.4436, 0.1595, 0.0942



0.1446, 0.1785, 0.1627

Previews

White Background



This preview shows how the Yxy color 23.5968, 0.4502, 0.4573 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 23.5968, 0.4502, 0.4573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

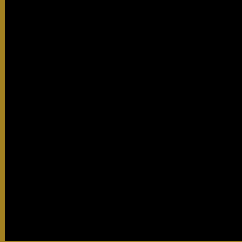
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5968, 0.4502, 0.4573

Background



This preview shows how black text looks on a background with the Yxy color 23.5968, 0.4502, 0.4573.



This preview shows how white text looks on a background with the Yxy color 23.5968, 0.4502, 0.4573.

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

23.5968, 0.4502, 0.4573

Protanopia

23.6497, 0.4279, 0.4731

Deuteranopia

23.6191, 0.4581, 0.4503



Tritanopia

23.4529, 0.3636, 0.3154

Trichromacy



Original Color

23.5968, 0.4502, 0.4573

Protanomaly

23.5866, 0.4364, 0.4666

Deuteranomaly

23.6608, 0.4545, 0.4531

Tritanomaly

23.1896, 0.4040, 0.3742

Monochromacy



Original Color

23.5968, 0.4502, 0.4573

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.8914, 0.3689, 0.3905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5968, 0.4502, 0.4573 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(163, 129, 33)` looks like.

```
.text, #text, p{  
    color:rgb(163, 129, 33)  
}
```

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(163, 129, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 129, 33) }
```

Border

The CSS property to change the border of an element to Yxy 23.5968, 0.4502, 0.4573 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(163, 129, 33) }
```

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

```
.border{ border-color:rgb(163, 129, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 129, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 129, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 129, 33);  
box-shadow:4px 4px 4px 4px rgb(163, 129,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5968, 0.4502, 0.4573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 129, 33) }
```

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

```
.background{ background-color: rgb(163,  
129, 33) }
```

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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