

Converting Colors

$Y_{xy}(23.4320, 0.4596, 0.4475)$

Have a look what the booklet for
Yxy(23.4320, 0.4596, 0.4475)
contains.

Yxy(23.4781, 0.4599, 0.4476)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.4781, 0.4599, 0.4476)

Conversions

Conversions Part 1

Format	Color
Hex	A97E23
RGB	169, 126, 35
RGB Percent	66%, 49%, 14%
CMY	0.3373, 0.5058, 0.8627
CMYK	0.00, 0.25, 0.79, 0.34
HSL	41°, 66%, 40%
HSV	41°, 79%, 66%
XYZ	24.1233, 23.4781, 4.8519
YIQ	128.4830, 54.8390, -19.1850

Conversions

Conversions Part 2

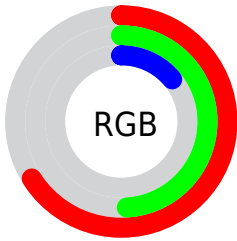
Format	Color
R_{YB}	98, 169, 35
Decimal	11107875
CIE _{Lab}	55.56, 8.12, 52.48
CIE _{LCh}	56, 53.100, 81.209
Yxy	23.4781, 0.4599, 0.4476
Android (android.graphics.Color)	4289297955 (0xFFA97E23)
YUV	128.4830, -46.0871, 35.5334
Hunter-Lab	48.4542, 4.0727, 27.9810

Details

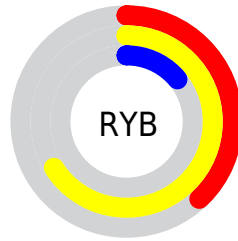
The Yxy color **23.4781, 0.4599, 0.4476** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.6685, 0.1827, 0.1498**, and the grayscale version is **21.9136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0229, 0.4334, 0.4281**, and **8.7525, 0.4841, 0.4538** is the 20% darker color. If you saturate the color by 10%, you get **22.0529, 0.4754, 0.4508**, and if you desaturate by 10%, it is **25.0291, 0.4418, 0.4397**.

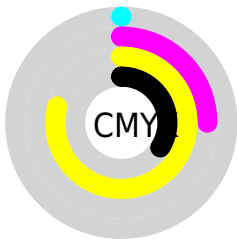
Distribution



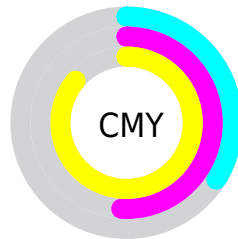
- Red (66%)
- Green (49%)
- Blue (14%)



- Red (38%)
- Yellow (66%)
- Blue (14%)



- Cyan (0%)
- Magenta (25%)
- Yellow (79%)
- Black (34%)





- Cyan (34%)
- Magenta (51%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4781, 0.4599, 0.4476 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 23.4781, 0.4599, 0.4476 by changing the saturation by 10% instead.


 23.4781, 0.4599,
0.4476


 23.4781, 0.4599,
0.4476


270.1712, 0.3835,
0.3897


 14.9469, 0.4770,
0.4585


 49.1772, 0.4328,
0.4284


 8.7821, 0.4972,
0.4698


 67.1139, 0.4223,
0.4205

 4.5994, 0.5205,
0.4795

 88.9546, 0.4133,
0.4135

 2.0142, 0.5307,
0.4693

 115.0836, 0.4056,
0.4075

 0.6157, 0.5599,
0.4401

 145.8854, 0.3989,
0.4022

 0.0000, 0.0000,
0.0000

 181.7443, 0.3931,

0.3975

223.0448, 0.3880,
0.3934

■ 23.4781, 0.4599,
0.4476

■ 23.4781, 0.4599,
0.4476

■ 22.0529, 0.4754,
0.4508

■ 25.0291, 0.4418,
0.4397

■ 20.7365, 0.4884,
0.4498

■ 26.7096, 0.4221,
0.4278

■ 20.6440, 0.4893,
0.4497

■ 28.5272, 0.4017,
0.4131

■ 30.4877, 0.3815,
0.3965

■ 32.5962, 0.3620,
0.3791

■ 34.8576, 0.3437,
0.3615

■ 37.2765, 0.3269,
0.3443

■ 39.8572, 0.3117,
0.3278

■ 42.6038, 0.2979,
0.3124

Harmonies

Analogous

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



23.4781, 0.4948, 0.3829



23.4781, 0.4599, 0.4476



23.4781, 0.3885, 0.4957

Triad

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



23.4781, 0.4599, 0.4476



23.4781, 0.1734, 0.3084



23.4781, 0.3005, 0.2167

Complementary

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



23.4781, 0.4599, 0.4476



8.6685, 0.1827, 0.1498

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.



23.4781, 0.2219, 0.1947



23.4781, 0.4599, 0.4476



23.4781, 0.1581, 0.2343

Square

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



23.4781, 0.4599, 0.4476



23.4781, 0.2235, 0.4113



23.4781, 0.1744, 0.1988



23.4781, 0.3965, 0.2604

Rectangle

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



23.4781, 0.4599, 0.4476



23.4781, 0.3313, 0.5002



23.4781, 0.1744, 0.1988



23.4781, 0.2712, 0.2067

Sweetspot

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



23.4793, 0.4599, 0.4476



60.3223, 0.3530, 0.3705



10.2104, 0.4954, 0.2750



12.8499, 0.3593, 0.3766



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.4793, 0.4599, 0.4476



37.7430, 0.4849, 0.4500



34.6603, 0.3891, 0.5097



8.3620, 0.3270, 0.3443



15.4899, 0.4884, 0.4504



0.4632, 0.4608, 0.4724

Inverse Universe

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



8.6685, 0.1827, 0.1498



10.6196, 0.1654, 0.1121



4.9473, 0.1807, 0.0944



7.6788, 0.2986, 0.3132



4.2031, 0.1633, 0.1077



0.1940, 0.1822, 0.1760

Previews

White Background



This preview shows how the Yxy color 23.4781, 0.4599, 0.4476 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 23.4781, 0.4599, 0.4476 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 23.4781, 0.4599, 0.4476

Background



This preview shows how black text looks on a background with the Yxy color 23.4781, 0.4599, 0.4476.



This preview shows how white text looks on a background with the Yxy color 23.4781, 0.4599, 0.4476.

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

23.4781, 0.4599, 0.4476

Protanopia

23.6678, 0.4262, 0.4706

Deuteranopia

23.6249, 0.4575, 0.4496



Tritanopia

23.6031, 0.3744, 0.3158

Trichromacy



Original Color

23.4781, 0.4599, 0.4476

Protanomaly

23.5281, 0.4389, 0.4622

Deuteranomaly

23.6249, 0.4575, 0.4496

Tritanomaly

23.3671, 0.4129, 0.3698

Monochromacy



Original Color

23.4781, 0.4599, 0.4476

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.8265, 0.3708, 0.3866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4781, 0.4599, 0.4476 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(169, 126, 35)` looks like.

```
.text, #text, p{  
    color:rgb(169, 126, 35)  
}
```

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(169, 126, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 126, 35) }
```

Border

The CSS property to change the border of an element to Yxy 23.4781, 0.4599, 0.4476 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(169, 126, 35) }
```

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

```
.border{ border-color:rgb(169, 126, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 126, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 126, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 126, 35);  
box-shadow:4px 4px 4px 4px rgb(169, 126,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4781, 0.4599, 0.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 126, 35) }
```

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

```
.background{ background-color: rgb(169,  
126, 35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor