

Converting Colors

$Y_{xy}(23.2439, 0.4725, 0.4507)$

Have a look what the booklet for
Yxy(23.2439, 0.4725, 0.4507)
contains.

Yxy(23.2439, 0.4725, 0.4507)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.2439, 0.4725, 0.4507)

Conversions

Conversions Part 1

Format	Color
Hex	AC7C16
RGB	172, 124, 22
RGB Percent	67%, 49%, 9%
CMY	0.3254, 0.5137, 0.9137
CMYK	0.00, 0.28, 0.87, 0.33
HSL	41°, 77%, 38%
HSV	41°, 87%, 67%
XYZ	24.3682, 23.2439, 3.9608
YIQ	126.7240, 61.3500, -21.5460

Conversions

Conversions Part 2

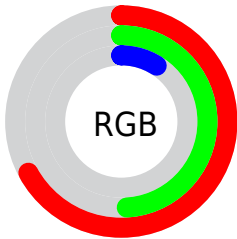
Format	Color
RYB	93, 172, 22
Decimal	11303958
CIELab	55.32, 10.21, 56.70
CIElCh	55, 57.614, 79.790
Yxy	23.2439, 0.4725, 0.4507
Android (android.graphics.Color)	4289494038 (0xFFAC7C16)
YUV	126.7240, -51.6289, 39.7071
Hunter-Lab	48.2119, 5.8500, 28.8774

Details

The Yxy color **23.2439, 0.4725, 0.4507** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.5316, 0.1735, 0.1311**, and the grayscale version is **21.2892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7565, 0.4444, 0.4318**, and **8.6770, 0.4933, 0.4465** is the 20% darker color. If you saturate the color by 10%, you get **21.8560, 0.4857, 0.4502**, and if you desaturate by 10%, it is **24.7537, 0.4564, 0.4465**.

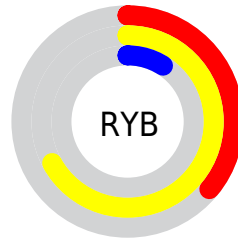
Distribution



Red (67%)

Green (49%)

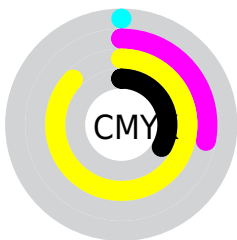
Blue (9%)



Red (36%)

Yellow (67%)

Blue (9%)

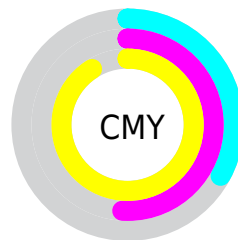


Cyan (0%)

Magenta (28%)

Yellow (87%)

Black (33%)



Cyan (33%)


Magenta (51%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2439, 0.4725, 0.4507 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 23.2439, 0.4725, 0.4507 by changing the saturation by 10% instead.


 23.2439, 0.4725,
0.4507


 23.2439, 0.4725,
0.4507


268.9752, 0.3906,
0.3933


 14.7737, 0.4900,
0.4601


 48.7935, 0.4440,
0.4326


 8.6607, 0.5128,
0.4712

 66.6417, 0.4327,
0.4248


 4.5206, 0.5291,
0.4709

 88.3847, 0.4230,
0.4178

 1.9688, 0.5419,
0.4581

 114.4068, 0.4147,
0.4117

 0.5893, 0.5787,
0.4213

 145.0926, 0.4074,
0.4063

 0.0000, 0.0000,
0.0000

 180.8263, 0.4011,

0.4015

221.9924, 0.3955,
0.3972

23.2439, 0.4725,
0.4507

23.2439, 0.4725,
0.4507

21.8560, 0.4857,
0.4502

24.7537, 0.4564,
0.4465

21.4851, 0.4892,
0.4497

26.3924, 0.4380,
0.4377

28.1685, 0.4180,
0.4252

30.0885, 0.3976,
0.4100

32.1582, 0.3774,
0.3931

■ 34.3832, 0.3582,
0.3755

■ 36.7682, 0.3402,
0.3579

■ 39.3181, 0.3237,
0.3408

■ 42.0374, 0.3087,
0.3246

Harmonies

Analogous

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



23.2439, 0.5096, 0.3806



23.2439, 0.4725, 0.4507



23.2439, 0.3961, 0.5073

Triad

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



23.2439, 0.4725, 0.4507



23.2439, 0.1647, 0.3101



23.2439, 0.2942, 0.2072

Complementary

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



23.2439, 0.4725, 0.4507



7.5316, 0.1735, 0.1311

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.



23.2439, 0.2117, 0.1852



23.2439, 0.4725, 0.4507



23.2439, 0.1477, 0.2288

Square

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



23.2439, 0.4725, 0.4507



23.2439, 0.2189, 0.4246



23.2439, 0.1634, 0.1903



23.2439, 0.3986, 0.2524

Rectangle

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



23.2439, 0.4725, 0.4507



23.2439, 0.3351, 0.5173



23.2439, 0.1634, 0.1903



23.2439, 0.2631, 0.1971

Sweetspot

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



23.2451, 0.4725, 0.4507



62.6772, 0.3568, 0.3742



9.8139, 0.5227, 0.2777



13.3201, 0.3631, 0.3801



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



23.2451, 0.4725, 0.4507



38.5551, 0.4908, 0.4485



35.7728, 0.3906, 0.5188



8.8913, 0.3270, 0.3444



16.0877, 0.4883, 0.4504



0.5405, 0.4629, 0.4706

Inverse Universe

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



7.5316, 0.1735, 0.1311



10.0156, 0.1618, 0.1025



4.1571, 0.1699, 0.0793



8.1601, 0.2986, 0.3131



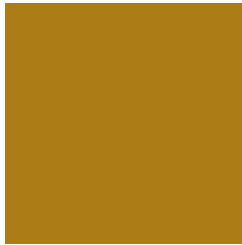
4.3431, 0.1631, 0.1073



0.2211, 0.1808, 0.1710

Previews

White Background



This preview shows how the Yxy color 23.2439, 0.4725, 0.4507 looks on a white background.

Color Contrast Check

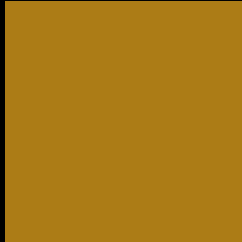
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2439, 0.4725, 0.4507 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 23.2439, 0.4725, 0.4507

Background



This preview shows how black text looks on a background with the Yxy color 23.2439, 0.4725, 0.4507.



This preview shows how white text looks on a background with the Yxy color 23.2439, 0.4725, 0.4507.

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

23.2439, 0.4725, 0.4507

Protanopia

23.3293, 0.4334, 0.4783

Deuteranopia

23.3007, 0.4656, 0.4569



Tritanopia

23.1817, 0.3834, 0.3160

Trichromacy



Original Color

23.2439, 0.4725, 0.4507

Protanomaly

23.3003, 0.4473, 0.4685

Deuteranomaly

23.1564, 0.4681, 0.4548

Tritanomaly

22.8751, 0.4277, 0.3748

Monochromacy



Original Color

23.2439, 0.4725, 0.4507

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.4826, 0.3772, 0.3935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2439, 0.4725, 0.4507 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(172, 124, 22)` looks like.

```
.text, #text, p{  
    color:rgb(172, 124, 22)  
}
```

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(172, 124, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 124, 22) }
```

Border

The CSS property to change the border of an element to Yxy 23.2439, 0.4725, 0.4507 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(172, 124, 22) }
```

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

```
.border{ border-color:rgb(172, 124, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 124, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 124, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 124, 22);  
box-shadow:4px 4px 4px 4px rgb(172, 124,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2439, 0.4725, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 124, 22) }
```

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

```
.background{ background-color: rgb(172,  
124, 22) }
```

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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