

Converting Colors

$Y_{xy}(23.0413, 0.4646, 0.4607)$

Have a look what the booklet for
Yxy(23.0413, 0.4646, 0.4607)
contains.

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Color

Yxy(23.0692, 0.4647, 0.4603)

Conversions

Conversions Part 1

Format	Color
Hex	A67E11
RGB	166, 126, 17
RGB Percent	65%, 49%, 7%
CMY	0.3490, 0.5059, 0.9330
CMYK	0.00, 0.24, 0.90, 0.35
HSL	44°, 81%, 36%
HSV	44°, 90%, 65%
XYZ	23.2897, 23.0692, 3.7588
YIQ	125.5340, 58.8290, -25.4190

Conversions

Conversions Part 2

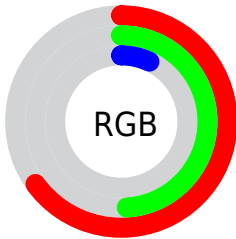
Format	Color
R _Y B	72, 166, 17
Decimal	10911249
CIE Lab	55.14, 6.23, 57.54
CIE LCh	55, 57.875, 83.823
Yxy	23.0692, 0.4647, 0.4603
Android (android.graphics.Color)	4289101329 (0xFFA67E11)
YUV	125.5340, -53.5073, 35.4887
Hunter-Lab	48.0304, 2.5006, 28.9813

Details

The Yxy color **23.0692, 0.4647, 0.4603** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.8088, 0.1678, 0.1136**, and the grayscale version is **20.8715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3563, 0.4384, 0.4394**, and **8.5590, 0.4792, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **21.9154, 0.4755, 0.4604**, and if you desaturate by 10%, it is **24.3094, 0.4515, 0.4563**.

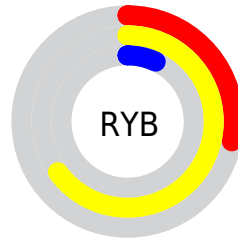
Distribution



Red (65%)

Green (49%)

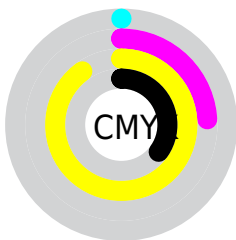
Blue (7%)



Red (28%)

Yellow (65%)

Blue (7%)

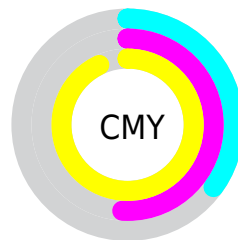


Cyan (0%)

Magenta (24%)

Yellow (90%)

Black (35%)



Cyan (35%)


Magenta (51%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0692, 0.4647, 0.4603 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 23.0692, 0.4647, 0.4603 by changing the saturation by 10% instead.


 23.0692, 0.4647,
0.4603


 23.0692, 0.4647,
0.4603


268.0802, 0.3876,
0.3970


 14.6446, 0.4805,
0.4714


 48.5069, 0.4382,
0.4398


 8.5703, 0.5020,
0.4859


 66.2889, 0.4276,
0.4312


 4.4620, 0.5132,
0.4868

 87.9587, 0.4185,
0.4235

 1.9352, 0.5213,
0.4787

 113.9008, 0.4105,
0.4168

 0.5694, 0.5490,
0.4510

 144.4996, 0.4036,
0.4109

 0.0000, 0.0000,
0.0000

 180.1396, 0.3976,

0.4057

■ 221.2050, 0.3923,
0.4011

■ 23.0692, 0.4647,
0.4603

■ 23.0692, 0.4647,
0.4603

■ 21.9154, 0.4755,
0.4604

■ 24.3094, 0.4515,
0.4563

■ 21.8826, 0.4758,
0.4604

■ 25.6461, 0.4357,
0.4476

■ 27.0870, 0.4180,
0.4351

■ 28.6377, 0.3993,
0.4195

■ 30.3033, 0.3803,
0.4020

■ 32.0884, 0.3617,
0.3834

■ 33.9972, 0.3440,
0.3646

■ 36.0337, 0.3275,
0.3462

■ 38.2016, 0.3123,
0.3285

Harmonies

Analogous

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



23.0692, 0.5091, 0.3901



23.0692, 0.4647, 0.4603



23.0692, 0.3844, 0.5130

Triad

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



23.0692, 0.4647, 0.4603



23.0692, 0.1595, 0.2962



23.0692, 0.3075, 0.2114

Complementary

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



23.0692, 0.4647, 0.4603



5.8088, 0.1678, 0.1136

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.



23.0692, 0.2202, 0.1859



23.0692, 0.4647, 0.4603



23.0692, 0.1471, 0.2206

Square

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



23.0692, 0.4647, 0.4603



23.0692, 0.2088, 0.4097



23.0692, 0.1672, 0.1871



23.0692, 0.4130, 0.2594

Rectangle

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



23.0692, 0.4647, 0.4603



23.0692, 0.3224, 0.5163



23.0692, 0.1672, 0.1871



23.0692, 0.2750, 0.2002

Sweetspot

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



23.0703, 0.4647, 0.4603



58.9764, 0.3577, 0.3793



8.8300, 0.5474, 0.2890



12.9519, 0.3636, 0.3854



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.



23.0703, 0.4647, 0.4603



39.3454, 0.4771, 0.4594



32.3631, 0.3830, 0.5268



8.4278, 0.3268, 0.3454



17.0471, 0.4752, 0.4609



0.4923, 0.4532, 0.4784

Inverse Universe

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



5.8088, 0.1678, 0.1136



8.0460, 0.1586, 0.0911



3.8187, 0.1723, 0.0786



7.6163, 0.2986, 0.3120



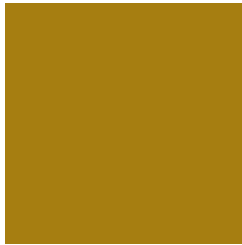
3.6346, 0.1599, 0.0955



0.1709, 0.1780, 0.1606

Previews

White Background



This preview shows how the Yxy color 23.0692, 0.4647, 0.4603 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 23.0692, 0.4647, 0.4603 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 23.0692, 0.4647, 0.4603

Background



This preview shows how black text looks on a background with the Yxy color 23.0692, 0.4647, 0.4603.



This preview shows how white text looks on a background with the Yxy color 23.0692, 0.4647, 0.4603.

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

23.0692, 0.4647, 0.4603

Protanopia

23.2116, 0.4344, 0.4825

Deuteranopia

22.9264, 0.4669, 0.4579



Tritanopia

22.9996, 0.3724, 0.3155

Trichromacy



Original Color

23.0692, 0.4647, 0.4603

Protanomaly

22.9775, 0.4460, 0.4742

Deuteranomaly

22.9264, 0.4669, 0.4579

Tritanomaly

22.6509, 0.4198, 0.3808

Monochromacy



Original Color

23.0692, 0.4647, 0.4603

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.2563, 0.3781, 0.3993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0692, 0.4647, 0.4603 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(166, 126, 17)` looks like.

```
.text, #text, p{  
    color:rgb(166, 126, 17)  
}
```

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(166, 126, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 126, 17) }
```

Border

The CSS property to change the border of an element to Yxy 23.0692, 0.4647, 0.4603 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(166, 126, 17) }
```

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

```
.border{ border-color:rgb(166, 126, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 126, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 126, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 126, 17);  
box-shadow:4px 4px 4px 4px rgb(166, 126,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0692, 0.4647, 0.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 126, 17) }
```

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

```
.background{ background-color: rgb(166,  
126, 17) }
```

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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