

Converting Colors

$Yxy(23.0524, 0.4742, 0.4617)$

Have a look what the booklet for
Yxy(23.0524, 0.4742, 0.4617)
contains.

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Color

Yxy(23.1022, 0.4738, 0.4620)

Conversions

Conversions Part 1

Format	Color
Hex	A97D00
RGB	169, 125, 0
RGB Percent	66%, 49%, 0%
CMY	0.3373, 0.5097, 1.0000
CMYK	0.00, 0.26, 1.00, 0.34
HSL	44°, 100%, 33%
HSV	44°, 100%, 66%
XYZ	23.6923, 23.1022, 3.2103
YIQ	123.9060, 66.3490, -29.5470

Conversions

Conversions Part 2

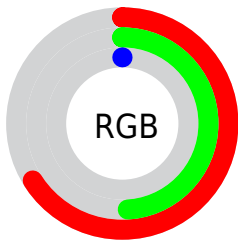
Format	Color
R _Y B	59, 169, 0
Decimal	11107584
CIE Lab	55.18, 7.87, 60.93
CIE LCh	55, 61.440, 82.637
Yxy	23.1022, 0.4738, 0.4620
Android (android.graphics.Color)	4289297664 (0xFFA97D00)
YUV	123.9060, -61.0857, 39.5474
Hunter-Lab	48.0647, 3.8736, 29.6853

Details

The Yxy color **23.1022, 0.4738, 0.4620** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.6626, 0.1589, 0.0919**, and the grayscale version is **20.3144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5075, 0.4473, 0.4424**, and **8.6136, 0.4863, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **23.1031, 0.4738, 0.4620**, and if you desaturate by 10%, it is **24.2816, 0.4634, 0.4619**.

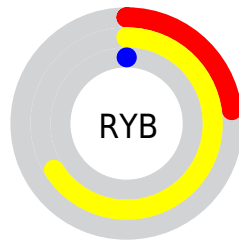
Distribution



Red (66%)

Green (49%)

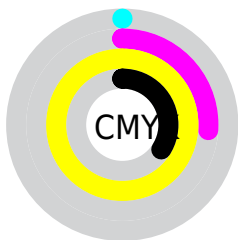
Blue (0%)



Red (23%)

Yellow (66%)

Blue (0%)

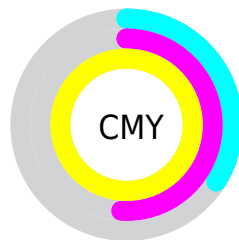


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1022, 0.4738, 0.4620 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 23.1022, 0.4738, 0.4620 by changing the saturation by 10% instead.


 23.1022, 0.4738,
0.4620


 23.1022, 0.4738,
0.4620


268.2495, 0.3931,
0.3998


 14.6690, 0.4897,
0.4717


 48.5611, 0.4466,
0.4427


 8.5874, 0.5136,
0.4864


 66.3555, 0.4355,
0.4342


 4.4731, 0.5198,
0.4802

 88.0392, 0.4259,
0.4267

 1.9415, 0.5300,
0.4700

 113.9965, 0.4175,
0.4200

 0.5732, 0.5625,
0.4375

 144.6118, 0.4102,
0.4140

 0.0000, 0.0000,
0.0000

 180.2694, 0.4038,

0.4087

221.3539, 0.3981,
0.4040

23.1022, 0.4738,
0.4620

23.1022, 0.4738,
0.4620

23.1031, 0.4738,
0.4620

24.2816, 0.4634,
0.4619

25.5438, 0.4507,
0.4579

26.9043, 0.4353,
0.4493

28.3699, 0.4179,
0.4367

29.9466, 0.3994,
0.4210

■ 31.6396, 0.3806,
0.4034

■ 33.4536, 0.3621,
0.3846

■ 35.3930, 0.3445,
0.3656

■ 37.4619, 0.3279,
0.3469

Harmonies

Analogous

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



23.1022, 0.5200, 0.3878



23.1022, 0.4738, 0.4620



23.1022, 0.3898, 0.5217

Triad

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



23.1022, 0.4738, 0.4620



23.1022, 0.1531, 0.2974



23.1022, 0.3025, 0.2043

Complementary

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



23.1022, 0.4738, 0.4620



4.6626, 0.1589, 0.0919

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.



23.1022, 0.2124, 0.1789



23.1022, 0.4738, 0.4620



23.1022, 0.1395, 0.2165

Square

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



23.1022, 0.4738, 0.4620



23.1022, 0.2054, 0.4199



23.1022, 0.1590, 0.1809



23.1022, 0.4145, 0.2532

Rectangle

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



23.1022, 0.4738, 0.4620



23.1022, 0.3251, 0.5296



23.1022, 0.1590, 0.1809



23.1022, 0.2687, 0.1930

Sweetspot

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



23.1034, 0.4738, 0.4620



59.7504, 0.3631, 0.3856



8.6225, 0.5861, 0.3002



12.7328, 0.3705, 0.3933



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.



23.1034, 0.4738, 0.4620



41.0331, 0.4749, 0.4611



33.0779, 0.3789, 0.5374



8.4385, 0.3268, 0.3456



17.3136, 0.4731, 0.4626



0.4972, 0.4520, 0.4793

Inverse Universe

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



4.6626, 0.1589, 0.0919



8.0622, 0.1581, 0.0892



3.3036, 0.1633, 0.0673



7.6062, 0.2986, 0.3118



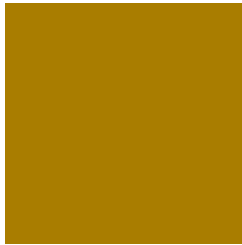
3.5521, 0.1594, 0.0936



0.1672, 0.1772, 0.1580

Previews

White Background



This preview shows how the Yxy color 23.1022, 0.4738, 0.4620 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 23.1022, 0.4738, 0.4620 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 23.1022, 0.4738, 0.4620

Background



This preview shows how black text looks on a background with the Yxy color 23.1022, 0.4738, 0.4620.



This preview shows how white text looks on a background with the Yxy color 23.1022, 0.4738, 0.4620.

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

23.1022, 0.4738, 0.4620

Protanopia

23.2788, 0.4384, 0.4856

Deuteranopia

23.2465, 0.4713, 0.4640



Tritanopia

23.0854, 0.3779, 0.3157

Trichromacy



Original Color

23.1022, 0.4738, 0.4620

Protanomaly

23.1465, 0.4515, 0.4767

Deuteranomaly

23.2465, 0.4713, 0.4640

Tritanomaly

22.6571, 0.4316, 0.3869

Monochromacy



Original Color

23.1022, 0.4738, 0.4620

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.5553, 0.3861, 0.4084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1022, 0.4738, 0.4620 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, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 125, 0)  
}
```

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, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 125, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.1022, 0.4738, 0.4620 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, 125, 0) }
```

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

```
.border{ border-color:rgb(169, 125, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 125, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 125,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1022, 0.4738, 0.4620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 125, 0) }
```

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

```
.background{ background-color: rgb(169,  
125, 0) }
```

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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