

Converting Colors

$Y_{xy}(23.2128, 0.4631, 0.4705)$

Have a look what the booklet for
Yxy(23.2128, 0.4631, 0.4705)
contains.

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Color

$Y_{xy}(23.2249, 0.4627, 0.4708)$

Conversions

Conversions Part 1

Format	Color
Hex	A38000
RGB	163, 128, 0
RGB Percent	64%, 50%, 0%
CMY	0.3607, 0.4980, 0.9999
CMYK	0.00, 0.21, 1.00, 0.36
HSL	47°, 100%, 32%
HSV	47°, 100%, 64%
XYZ	22.8253, 23.2249, 3.2805
YIQ	123.8730, 61.9480, -32.3880

Conversions

Conversions Part 2

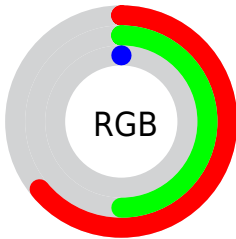
Format	Color
RYB	45, 163, 0
Decimal	10715136
CIELab	55.30, 3.45, 60.70
CIELCh	55, 60.801, 86.751
Yxy	23.2249, 0.4627, 0.4708
Android (android.graphics.Color)	4288905216 (0xFFA38000)
YUV	123.8730, -61.0694, 34.3144
Hunter-Lab	48.1922, 0.2067, 29.6986

Details

The Yxy color **23.2249, 0.4627, 0.4708** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **3.8496, 0.1566, 0.0835**, and the grayscale version is **20.3055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5895, 0.4380, 0.4481**, and **8.7178, 0.4714, 0.4639** is the 20% darker color. If you saturate the color by 10%, you get **23.2242, 0.4627, 0.4708**, and if you desaturate by 10%, it is **24.1938, 0.4539, 0.4696**.

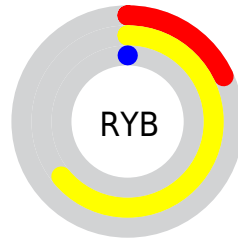
Distribution



Red (64%)

Green (50%)

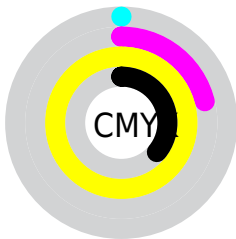
Blue (0%)



Red (18%)

Yellow (64%)

Blue (0%)

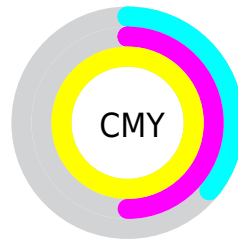


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2249, 0.4627, 0.4708 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 23.2249, 0.4627, 0.4708 by changing the saturation by 10% instead.


 23.2249, 0.4627,
0.4708


 23.2249, 0.4627,
0.4708


268.8780, 0.3882,
0.4024


 14.7597, 0.4769,
0.4826


 48.7623, 0.4379,
0.4488


 8.6509, 0.4986,
0.5008

 66.6033, 0.4277,
0.4395


 4.5142, 0.5017,
0.4983

 88.3384, 0.4187,
0.4312

 1.9651, 0.5062,
0.4938

 114.3519, 0.4110,
0.4240

 0.5871, 0.5224,
0.4776


 145.0282, 0.4042,
0.4176


 0.0000, 0.0000,
0.0000


 180.7517, 0.3982,


0.4119


 221.9069, 0.3929,
0.4069


 23.2249, 0.4627,
0.4708


 23.2249, 0.4627,
0.4708


 23.2242, 0.4627,
0.4708

 24.1938, 0.4539,
0.4696

 25.2244, 0.4429,
0.4647

 26.3312, 0.4292,
0.4554

 27.5202, 0.4135,
0.4421

 28.7965, 0.3964,
0.4257

■ 30.1648, 0.3787,
0.4072

■ 31.6290, 0.3610,
0.3876

■ 33.1930, 0.3439,
0.3676

■ 34.8604, 0.3278,
0.3479

Harmonies

Analogous

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



23.2249, 0.5149, 0.3978



23.2249, 0.4627, 0.4708



23.2249, 0.3766, 0.5241

Triad

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



23.2249, 0.4627, 0.4708



23.2249, 0.1507, 0.2841



23.2249, 0.3174, 0.2109

Complementary

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



23.2249, 0.4627, 0.4708



3.8496, 0.1566, 0.0835

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.



23.2249, 0.2236, 0.1821



23.2249, 0.4627, 0.4708



23.2249, 0.1418, 0.2106

Square

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



23.2249, 0.4627, 0.4708



23.2249, 0.1972, 0.4014



23.2249, 0.1656, 0.1802



23.2249, 0.4278, 0.2621

Rectangle

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



23.2249, 0.4627, 0.4708



23.2249, 0.3119, 0.5234



23.2249, 0.1656, 0.1802



23.2249, 0.2826, 0.1985

Sweetspot

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



23.2260, 0.4627, 0.4708



56.4808, 0.3621, 0.3887



7.9118, 0.6008, 0.3083



12.4451, 0.3691, 0.3967



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.



23.2260, 0.4627, 0.4708



41.2841, 0.4636, 0.4701



29.9688, 0.3705, 0.5440



7.9778, 0.3266, 0.3465



18.1146, 0.4622, 0.4712



0.4416, 0.4441, 0.4856

Inverse Universe

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



3.8496, 0.1566, 0.0835



6.6484, 0.1558, 0.0810



3.2312, 0.1690, 0.0705



7.0952, 0.2987, 0.3108



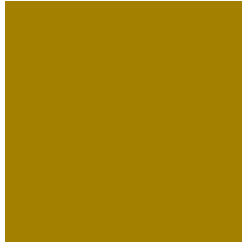
3.0469, 0.1569, 0.0849



0.1264, 0.1743, 0.1473

Previews

White Background



This preview shows how the Yxy color 23.2249, 0.4627, 0.4708 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 23.2249, 0.4627, 0.4708 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 23.2249, 0.4627, 0.4708

Background



This preview shows how black text looks on a background with the Yxy color 23.2249, 0.4627, 0.4708.



This preview shows how white text looks on a background with the Yxy color 23.2249, 0.4627, 0.4708.

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

23.2249, 0.4627, 0.4708

Protanopia

23.2766, 0.4386, 0.4859

Deuteranopia

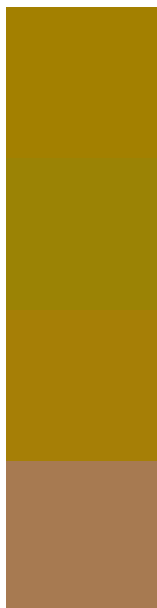
23.2663, 0.4692, 0.4614



Tritanopia

23.1872, 0.3653, 0.3154

Trichromacy



Original Color

23.2249, 0.4627, 0.4708

Protanomaly

23.2121, 0.4480, 0.4800

Deuteranomaly

23.2989, 0.4662, 0.4652

Tritanomaly

22.7286, 0.4204, 0.3919

Monochromacy



Original Color

23.2249, 0.4627, 0.4708

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.6350, 0.3828, 0.4108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2249, 0.4627, 0.4708 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, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 128, 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(163, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 128, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.2249, 0.4627, 0.4708 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, 128, 0) }
```

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

```
.border{ border-color:rgb(163, 128, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 128, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 128,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2249, 0.4627, 0.4708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 128, 0) }
```

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

```
.background{ background-color: rgb(163,  
128, 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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