

Converting Colors

$Y_{xy}(23.5759, 0.4968, 0.5032)$

Have a look what the booklet for
Yxy(23.5759, 0.4968, 0.5032)
contains.

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Color

$Yxy(23.7632, 0.4684, 0.4663)$

Conversions

Conversions Part 1

Format	Color
Hex	A88000
RGB	168, 128, 0
RGB Percent	66%, 50%, 0%
CMY	0.3411, 0.4980, 1.0000
CMYK	0.00, 0.24, 1.00, 0.34
HSL	46°, 100%, 33%
HSV	46°, 100%, 66%
XYZ	23.8702, 23.7632, 3.3278
YIQ	125.3680, 64.9280, -31.3280

Conversions

Conversions Part 2

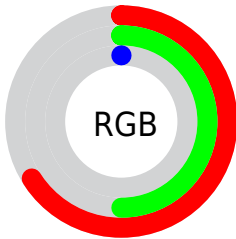
Format	Color
R_{YB}	53, 168, 0
Decimal	11042816
CIE _{Lab}	55.85, 5.76, 61.35
CIE _{LCh}	56, 61.618, 84.635
Yxy	23.7632, 0.4684, 0.4663
Android (android.graphics.Color)	4289232896 (0xFFA88000)
YUV	125.3680, -61.8064, 37.3883
Hunter-Lab	48.7475, 2.0980, 30.0758

Details

The Yxy color **23.7632, 0.4684, 0.4663** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **4.3466, 0.1577, 0.0875**, and the grayscale version is **20.8364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3908, 0.4424, 0.4456**, and **8.9715, 0.4781, 0.4586** is the 20% darker color. If you saturate the color by 10%, you get **23.7644, 0.4684, 0.4663**, and if you desaturate by 10%, it is **24.8690, 0.4588, 0.4657**.

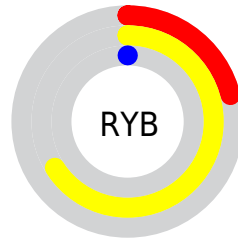
Distribution



Red (66%)

Green (50%)

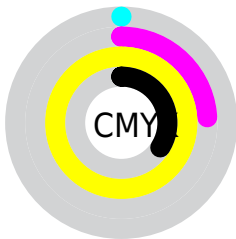
Blue (0%)



Red (21%)

Yellow (66%)

Blue (0%)

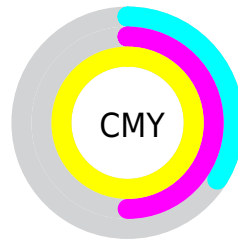


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7632, 0.4684, 0.4663 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 23.7632, 0.4684, 0.4663 by changing the saturation by 10% instead.


 23.7632, 0.4684,
0.4663


 23.7632, 0.4684,
0.4663


271.6211, 0.3911,
0.4014


 15.1581, 0.4833,
0.4769


 49.6435, 0.4425,
0.4459


 8.9304, 0.5055,
0.4927


 67.6874, 0.4319,
0.4370

 4.6958, 0.5109,
0.4891

 89.6464, 0.4227,
0.4292

 2.0699, 0.5181,
0.4819

 115.9049, 0.4146,
0.4222


 0.6476, 0.5387,
0.4613


 146.8472, 0.4076,
0.4161


 0.0000, 0.0000,
0.0000


 182.8577, 0.4014,


0.4106


 224.3209, 0.3959,
0.4058


 23.7632, 0.4684,
0.4663

 23.7632, 0.4684,
0.4663


 23.7644, 0.4684,
0.4663

 24.8690, 0.4588,
0.4657

 26.0486, 0.4470,
0.4613

 27.3176, 0.4324,
0.4523

 28.6825, 0.4159,
0.4394

 30.1489, 0.3980,
0.4234

■ 31.7219, 0.3798,
0.4053

■ 33.4061, 0.3617,
0.3861

■ 35.2055, 0.3443,
0.3666

■ 37.1242, 0.3279,
0.3475

Harmonies

Analogous

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



23.7632, 0.5176, 0.3927



23.7632, 0.4684, 0.4663



23.7632, 0.3834, 0.5230

Triad

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



23.7632, 0.4684, 0.4663



23.7632, 0.1519, 0.2908



23.7632, 0.3097, 0.2075

Complementary

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



23.7632, 0.4684, 0.4663



4.3466, 0.1577, 0.0875

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.



23.7632, 0.2178, 0.1805



23.7632, 0.4684, 0.4663



23.7632, 0.1406, 0.2136

Square

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



23.7632, 0.4684, 0.4663



23.7632, 0.2014, 0.4108



23.7632, 0.1622, 0.1806



23.7632, 0.4210, 0.2576

Rectangle

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



23.7632, 0.4684, 0.4663



23.7632, 0.3187, 0.5267



23.7632, 0.1622, 0.1806



23.7632, 0.2754, 0.1957

Sweetspot

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



23.7644, 0.4684, 0.4663



60.4334, 0.3627, 0.3872



8.4938, 0.5913, 0.3031



12.8990, 0.3699, 0.3950



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.



23.7644, 0.4684, 0.4663



42.7684, 0.4694, 0.4655



32.4480, 0.3760, 0.5396



8.4665, 0.3268, 0.3461



18.0239, 0.4678, 0.4668



0.5101, 0.4489, 0.4818

Inverse Universe

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



4.3466, 0.1577, 0.0875



7.6072, 0.1569, 0.0849



3.3201, 0.1651, 0.0683



7.5799, 0.2986, 0.3113



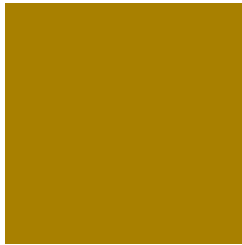
3.3504, 0.1581, 0.0891



0.1574, 0.1753, 0.1512

Previews

White Background



This preview shows how the Yxy color 23.7632, 0.4684, 0.4663 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 23.7632, 0.4684, 0.4663 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 23.7632, 0.4684, 0.4663

Background



This preview shows how black text looks on a background with the Yxy color 23.7632, 0.4684, 0.4663.



This preview shows how white text looks on a background with the Yxy color 23.7632, 0.4684, 0.4663.

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

23.7632, 0.4684, 0.4663

Protanopia

23.9270, 0.4370, 0.4868

Deuteranopia

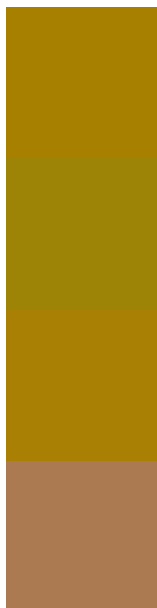
23.7379, 0.4707, 0.4617



Tritanopia

23.7508, 0.3715, 0.3157

Trichromacy



Original Color

23.7632, 0.4684, 0.4663

Protanomaly

23.6838, 0.4487, 0.4790

Deuteranomaly

23.6225, 0.4700, 0.4631

Tritanomaly

23.2838, 0.4266, 0.3902

Monochromacy



Original Color

23.7632, 0.4684, 0.4663

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.1636, 0.3849, 0.4095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7632, 0.4684, 0.4663 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(168, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 128, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.7632, 0.4684, 0.4663 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(168, 128, 0) }
```

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

```
.border{ border-color:rgb(168, 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(168, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 128,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7632, 0.4684, 0.4663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 128, 0) }
```

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

```
.background{ background-color: rgb(168,  
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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