

Converting Colors

$Yxy(23.7584, 0.4907, 0.4477)$

Have a look what the booklet for
Yxy(23.7584, 0.4907, 0.4477)
contains.

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Color

Yxy(23.7472, 0.4907, 0.4477)

Conversions

Conversions Part 1

Format	Color
Hex	B57A02
RGB	181, 122, 2
RGB Percent	71%, 48%, 1%
CMY	0.2902, 0.5216, 0.9924
CMYK	0.00, 0.33, 0.99, 0.29
HSL	40°, 98%, 36%
HSV	40°, 99%, 71%
XYZ	26.0280, 23.7472, 3.2674
YIQ	125.9610, 73.6840, -24.8120

Conversions

Conversions Part 2

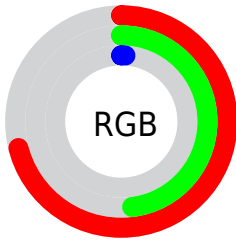
Format	Color
R _Y B	90, 181, 2
Decimal	11893250
CIE Lab	55.83, 15.06, 61.70
CIE LCh	56, 63.513, 76.281
Yxy	23.7472, 0.4907, 0.4477
Android (android.graphics.Color)	4290083330 (0xFFB57A02)
YUV	125.9610, -61.1128, 48.2692
Hunter-Lab	48.7311, 10.0602, 30.1364

Details

The Yxy color **23.7472, 0.4907, 0.4477** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.6816, 0.1639, 0.1092**, and the grayscale version is **21.0419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5667, 0.4606, 0.4325**, and **8.9760, 0.5096, 0.4336** is the 20% darker color. If you saturate the color by 10%, you get **23.5873, 0.4921, 0.4475**, and if you desaturate by 10%, it is **25.3050, 0.4775, 0.4492**.

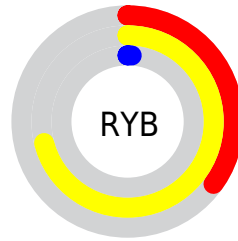
Distribution



Red (71%)

Green (48%)

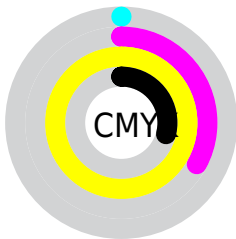
Blue (1%)



Red (35%)

Yellow (71%)

Blue (1%)

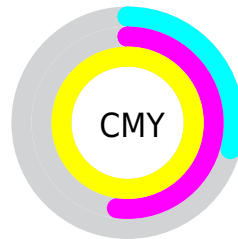


Cyan (0%)

Magenta (33%)

Yellow (99%)

Black (29%)



Cyan (29%)


Magenta (52%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7472, 0.4907, 0.4477 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 23.7472, 0.4907, 0.4477 by changing the saturation by 10% instead.


 23.7472, 0.4907,
0.4477


 23.7472, 0.4907,
0.4477


271.5399, 0.4009,
0.3956

 15.1462, 0.5090,
0.4541


 49.6174, 0.4601,
0.4328

 8.9221, 0.5360,
0.4637


 67.6553, 0.4478,
0.4258

 4.6904, 0.5473,
0.4527

 89.6077, 0.4371,
0.4193

 2.0668, 0.5650,
0.4350

 115.8589, 0.4278,
0.4135

 0.6458, 0.6051,
0.3949

 146.7933, 0.4198,
0.4083

 0.0000, 0.0000,
0.0000


 182.7954, 0.4127,


0.4036


 224.2494, 0.4064,
0.3994


 23.7472, 0.4907,
0.4477


 23.7472, 0.4907,
0.4477


 23.5873, 0.4921,
0.4475

 25.3050, 0.4775,
0.4492

 26.9968, 0.4615,
0.4462

 28.8385, 0.4430,
0.4384

 30.8388, 0.4228,
0.4266

 33.0053, 0.4020,
0.4120

■ 35.3450, 0.3815,
0.3955

■ 37.8640, 0.3618,
0.3781

■ 40.5684, 0.3434,
0.3606

■ 43.4635, 0.3265,
0.3436

Harmonies

Analogous

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



23.7472, 0.5267, 0.3723



23.7472, 0.4907, 0.4477



23.7472, 0.4105, 0.5159

Triad

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



23.7472, 0.4907, 0.4477



23.7472, 0.1577, 0.3204



23.7472, 0.2797, 0.1944

Complementary

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



23.7472, 0.4907, 0.4477



6.6816, 0.1639, 0.1092

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.



23.7472, 0.1958, 0.1741



23.7472, 0.4907, 0.4477



23.7472, 0.1364, 0.2270

Square

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



23.7472, 0.4907, 0.4477



23.7472, 0.2192, 0.4493



23.7472, 0.1493, 0.1825



23.7472, 0.3926, 0.2395

Rectangle

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



23.7472, 0.4907, 0.4477



23.7472, 0.3458, 0.5363



23.7472, 0.1493, 0.1825



23.7472, 0.2475, 0.1847

Sweetspot

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



23.7484, 0.4907, 0.4477



67.0736, 0.3648, 0.3809



10.2109, 0.5605, 0.2870



14.0888, 0.3729, 0.3881



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.7484, 0.4907, 0.4477



41.8065, 0.4936, 0.4463



39.6510, 0.3903, 0.5277



9.4253, 0.3271, 0.3442



16.3896, 0.4909, 0.4484



0.6170, 0.4665, 0.4678

Inverse Universe

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



6.6816, 0.1639, 0.1092



11.3262, 0.1623, 0.1044



3.6825, 0.1582, 0.0651



8.6724, 0.2985, 0.3133



4.6171, 0.1637, 0.1094



0.2548, 0.1802, 0.1687

Previews

White Background



This preview shows how the Yxy color 23.7472, 0.4907, 0.4477 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 23.7472, 0.4907, 0.4477 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 23.7472, 0.4907, 0.4477

Background



This preview shows how black text looks on a background with the Yxy color 23.7472, 0.4907, 0.4477.



This preview shows how white text looks on a background with the Yxy color 23.7472, 0.4907, 0.4477.

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

23.7472, 0.4907, 0.4477

Protanopia

23.9338, 0.4363, 0.4859

Deuteranopia

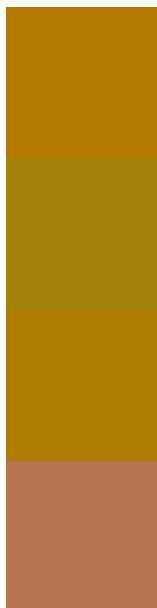
23.7248, 0.4720, 0.4634



Tritanopia

23.6545, 0.3970, 0.3165

Trichromacy



Original Color

23.7472, 0.4907, 0.4477

Protanomaly

23.6642, 0.4569, 0.4716

Deuteranomaly

23.6681, 0.4791, 0.4573

Tritanomaly

23.2312, 0.4500, 0.3817

Monochromacy



Original Color

23.7472, 0.4907, 0.4477

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.3723, 0.3910, 0.4043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7472, 0.4907, 0.4477 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(181, 122, 2)` looks like.

```
.text, #text, p{  
    color:rgb(181, 122, 2)  
}
```

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(181, 122, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 122, 2) }
```

Border

The CSS property to change the border of an element to Yxy 23.7472, 0.4907, 0.4477 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(181, 122, 2) }
```

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

```
.border{ border-color:rgb(181, 122, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 122, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 122, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 122, 2);  
box-shadow:4px 4px 4px 4px rgb(181, 122,  
2) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.7472, 0.4907, 0.4477$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 122, 2) }
```

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

```
.background{ background-color: rgb(181,  
122, 2) }
```

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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