

Converting Colors

$Y_{xy}(23.2244, 0.4880, 0.4757)$

Have a look what the booklet for
Yxy(23.2244, 0.4880, 0.4757)
contains.

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Color

Yxy(23.3252, 0.4761, 0.4602)

Conversions

Conversions Part 1

Format	Color
Hex	AB7D00
RGB	171, 125, 0
RGB Percent	67%, 49%, 0%
CMY	0.3293, 0.5098, 1.0000
CMYK	0.00, 0.27, 1.00, 0.33
HSL	44°, 100%, 34%
HSV	44°, 100%, 67%
XYZ	24.1311, 23.3252, 3.2286
YIQ	124.5040, 67.5410, -29.1230

Conversions

Conversions Part 2

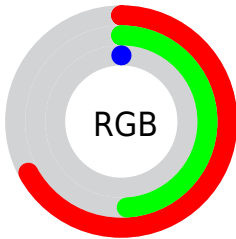
Format	Color
RYB	63, 171, 0
Decimal	11238656
CIELab	55.41, 8.82, 61.21
CIElCh	55, 61.842, 81.800
Yxy	23.3252, 0.4761, 0.4602
Android (android.graphics.Color)	4289428736 (0xFFAB7D00)
YUV	124.5040, -61.3805, 40.7770
Hunter-Lab	48.2962, 4.6689, 29.8437

Details

The Yxy color **23.3252, 0.4761, 0.4602** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.8967, 0.1594, 0.0937**, and the grayscale version is **20.5269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8385, 0.4491, 0.4414**, and **8.7463, 0.4895, 0.4495** is the 20% darker color. If you saturate the color by 10%, you get **23.3265, 0.4761, 0.4602**, and if you desaturate by 10%, it is **24.5596, 0.4654, 0.4603**.

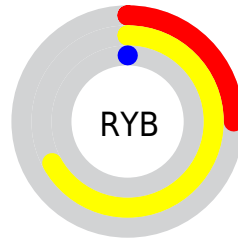
Distribution



Red (67%)

Green (49%)

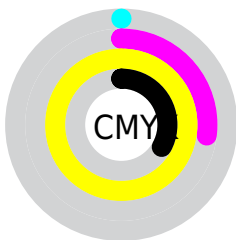
Blue (0%)



Red (25%)

Yellow (67%)

Blue (0%)

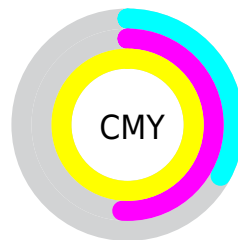


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3252, 0.4761, 0.4602 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 23.3252, 0.4761, 0.4602 by changing the saturation by 10% instead.


 23.3252, 0.4761,
0.4602

 23.3252, 0.4761,
0.4602


269.3909, 0.3942,
0.3994


 14.8338, 0.4922,
0.4694


 48.9268, 0.4485,
0.4415


 8.7028, 0.5166,
0.4834


 66.8057, 0.4372,
0.4333


 4.5479, 0.5235,
0.4765

 88.5827, 0.4275,
0.4259

 1.9845, 0.5346,
0.4654

 114.6420, 0.4190,
0.4193


 0.5984, 0.5672,
0.4328


 145.3681, 0.4116,
0.4134


 0.0000, 0.0000,
0.0000

 181.1453, 0.4051,


0.4082


 222.3581, 0.3993,
0.4036


 23.3252, 0.4761,
0.4602

 23.3252, 0.4761,
0.4602


 23.3265, 0.4761,
0.4602

 24.5596, 0.4654,
0.4603

 25.8826, 0.4523,
0.4565

 27.3101, 0.4365,
0.4480

 28.8493, 0.4188,
0.4356

 30.5063, 0.4001,
0.4201

■ 32.2865, 0.3810,
0.4026

■ 34.1949, 0.3624,
0.3841

■ 36.2362, 0.3446,
0.3652

■ 38.4145, 0.3280,
0.3467

Harmonies

Analogous

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



23.3252, 0.5211, 0.3858



23.3252, 0.4761, 0.4602



23.3252, 0.3926, 0.5212

Triad

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



23.3252, 0.4761, 0.4602



23.3252, 0.1536, 0.3003



23.3252, 0.2995, 0.2030

Complementary

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



23.3252, 0.4761, 0.4602



4.8967, 0.1594, 0.0937

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.



23.3252, 0.2101, 0.1782



23.3252, 0.4761, 0.4602



23.3252, 0.1390, 0.2177

Square

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



23.3252, 0.4761, 0.4602



23.3252, 0.2071, 0.4238



23.3252, 0.1577, 0.1810



23.3252, 0.4117, 0.2514

Rectangle

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



23.3252, 0.4761, 0.4602



23.3252, 0.3277, 0.5308



23.3252, 0.1577, 0.1810



23.3252, 0.2658, 0.1918

Sweetspot

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



23.3265, 0.4761, 0.4602



61.0395, 0.3633, 0.3850



8.8772, 0.5807, 0.2973



13.2949, 0.3709, 0.3927



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



23.3265, 0.4761, 0.4602



41.3992, 0.4773, 0.4592



34.1983, 0.3817, 0.5351



8.9601, 0.3269, 0.3455



17.6708, 0.4754, 0.4607



0.5755, 0.4551, 0.4769

Inverse Universe

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



4.8967, 0.1594, 0.0937



8.4663, 0.1586, 0.0909



3.3353, 0.1617, 0.0664



8.0948, 0.2986, 0.3119



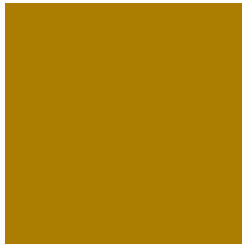
3.7671, 0.1598, 0.0953



0.1957, 0.1768, 0.1565

Previews

White Background



This preview shows how the Yxy color 23.3252, 0.4761, 0.4602 looks on a white background.

Color Contrast Check

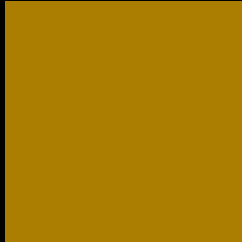
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3252, 0.4761, 0.4602 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 23.3252, 0.4761, 0.4602

Background



This preview shows how black text looks on a background with the Yxy color 23.3252, 0.4761, 0.4602.



This preview shows how white text looks on a background with the Yxy color 23.3252, 0.4761, 0.4602.

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

23.3252, 0.4761, 0.4602

Protanopia

23.2810, 0.4382, 0.4853

Deuteranopia

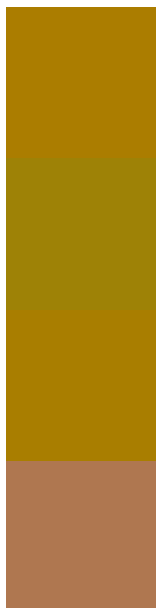
23.2465, 0.4713, 0.4640



Tritanopia

23.3186, 0.3804, 0.3159

Trichromacy



Original Color

23.3252, 0.4761, 0.4602

Protanomaly

23.2475, 0.4527, 0.4758

Deuteranomaly

23.3567, 0.4724, 0.4631

Tritanomaly

22.8868, 0.4341, 0.3862

Monochromacy



Original Color

23.3252, 0.4761, 0.4602

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.9972, 0.3869, 0.4075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3252, 0.4761, 0.4602 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(171, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 125, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.3252, 0.4761, 0.4602 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(171, 125, 0) }
```

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

```
.border{ border-color:rgb(171, 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(171, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 125,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3252, 0.4761, 0.4602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 125, 0) }
```

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

```
.background{ background-color: rgb(171,  
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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