

Converting Colors

$Yxy(23.4137, 0.4797, 0.4573)$

Have a look what the booklet for
Yxy(23.4137, 0.4797, 0.4573)
contains.

Yxy(23.2995, 0.4797, 0.4573)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.2995, 0.4797, 0.4573)

Conversions

Conversions Part 1

Format	Color
Hex	AD7C00
RGB	173, 124, 0
RGB Percent	68%, 49%, 0%
CMY	0.3216, 0.5137, 0.9999
CMYK	0.00, 0.28, 1.00, 0.32
HSL	43°, 100%, 34%
HSV	43°, 100%, 68%
XYZ	24.4408, 23.2995, 3.2099
YIQ	124.5150, 69.0080, -28.1760

Conversions

Conversions Part 2

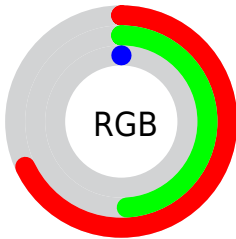
Format	Color
RYB	68, 173, 0
Decimal	11369472
CIELab	55.38, 10.28, 61.28
CIELCh	55, 62.141, 80.476
Yxy	23.2995, 0.4797, 0.4573
Android (android.graphics.Color)	4289559552 (0xFFAD7C00)
YUV	124.5150, -61.3859, 42.5213
Hunter-Lab	48.2696, 5.9099, 29.8460

Details

The Yxy color **23.2995, 0.4797, 0.4573** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.2160, 0.1602, 0.0967**, and the grayscale version is **20.5313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7796, 0.4517, 0.4394**, and **8.7452, 0.4948, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **23.2981, 0.4797, 0.4573**, and if you desaturate by 10%, it is **24.6011, 0.4684, 0.4578**.

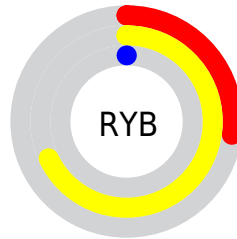
Distribution



Red (68%)

Green (49%)

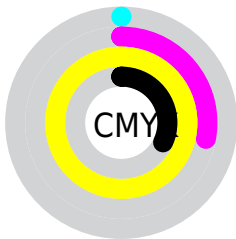
Blue (0%)



Red (27%)

Yellow (68%)

Blue (0%)

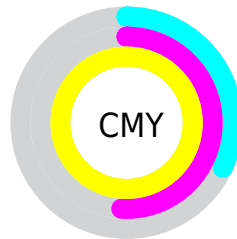


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2995, 0.4797, 0.4573 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 23.2995, 0.4797, 0.4573 by changing the saturation by 10% instead.


 23.2995, 0.4797,
0.4573


 23.2995, 0.4797,
0.4573


269.2596, 0.3958,
0.3985


 14.8148, 0.4964,
0.4658


 48.8846, 0.4513,
0.4395

 8.6895, 0.5213,
0.4787


 66.7539, 0.4398,
0.4315


 4.5392, 0.5293,
0.4707

 88.5201, 0.4298,
0.4244

 1.9795, 0.5422,
0.4578

 114.5677, 0.4211,
0.4179

 0.5955, 0.5784,
0.4216


 145.2810, 0.4135,
0.4122

 0.0000, 0.0000,
0.0000


 181.0445, 0.4069,


0.4071

 222.2426, 0.4010,
0.4026


 23.2995, 0.4797,
0.4573


 23.2995, 0.4797,
0.4573


 23.2981, 0.4797,
0.4573

 24.6011, 0.4684,
0.4578

 25.9996, 0.4548,
0.4542

 27.5113, 0.4384,
0.4460

 29.1437, 0.4202,
0.4338

 30.9032, 0.4010,
0.4186

■ 32.7955, 0.3816,
0.4013

■ 34.8258, 0.3627,
0.3831

■ 36.9989, 0.3447,
0.3646

■ 39.3194, 0.3280,
0.3464

Harmonies

Analogous

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



23.2995, 0.5226, 0.3826



23.2995, 0.4797, 0.4573



23.2995, 0.3969, 0.5202

Triad

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



23.2995, 0.4797, 0.4573



23.2995, 0.1544, 0.3049



23.2995, 0.2947, 0.2008

Complementary

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



23.2995, 0.4797, 0.4573



5.2160, 0.1602, 0.0967

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.



23.2995, 0.2066, 0.1771



23.2995, 0.4797, 0.4573



23.2995, 0.1383, 0.2198

Square

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



23.2995, 0.4797, 0.4573



23.2995, 0.2098, 0.4299



23.2995, 0.1555, 0.1812



23.2995, 0.4073, 0.2485

Rectangle

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



23.2995, 0.4797, 0.4573



23.2995, 0.3320, 0.5325



23.2995, 0.1555, 0.1812



23.2995, 0.2614, 0.1900

Sweetspot

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



23.3007, 0.4797, 0.4573



62.1700, 0.3637, 0.3841



9.1066, 0.5808, 0.2974



13.1839, 0.3713, 0.3916



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.



23.3007, 0.4797, 0.4573



41.3452, 0.4810, 0.4563



35.0799, 0.3817, 0.5351



8.9410, 0.3269, 0.3452



17.2174, 0.4789, 0.4579



0.5656, 0.4572, 0.4752

Inverse Universe

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



5.2160, 0.1602, 0.0967



9.0209, 0.1594, 0.0939



3.4206, 0.1616, 0.0664



8.1129, 0.2986, 0.3123



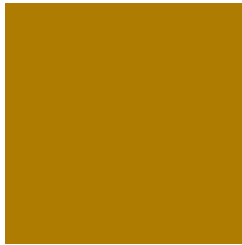
3.9164, 0.1607, 0.0985



0.2028, 0.1780, 0.1606

Previews

White Background



This preview shows how the Yxy color 23.2995, 0.4797, 0.4573 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



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 23.2995, 0.4797, 0.4573

Background



This preview shows how black text looks on a background with the Yxy color 23.2995, 0.4797, 0.4573.



This preview shows how white text looks on a background with the Yxy color 23.2995, 0.4797, 0.4573.

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

23.2995, 0.4797, 0.4573

Protanopia

23.2810, 0.4382, 0.4853

Deuteranopia

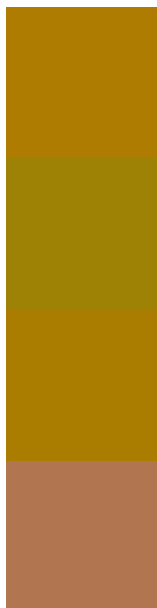
23.2465, 0.4713, 0.4640



Tritanopia

23.3004, 0.3846, 0.3160

Trichromacy



Original Color

23.2995, 0.4797, 0.4573

Protanomaly

23.2475, 0.4527, 0.4758

Deuteranomaly

23.2133, 0.4749, 0.4611

Tritanomaly

22.8685, 0.4386, 0.3854

Monochromacy



Original Color

23.2995, 0.4797, 0.4573

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 23.2995, 0.4797, 0.4573 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(173, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 124, 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(173, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 124, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.2995, 0.4797, 0.4573 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(173, 124, 0) }
```

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

```
.border{ border-color:rgb(173, 124, 0) }
```

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

Here you see how a box with a 4 pixel rgb(173, 124, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 124,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2995, 0.4797, 0.4573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 124, 0) }
```

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

```
.background{ background-color: rgb(173,  
124, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor