

Converting Colors

$Y_{xy}(23.1513, 0.4448, 0.4372)$

Have a look what the booklet for
Yxy(23.1513, 0.4448, 0.4372)
contains.

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Color

Yxy(23.1513, 0.4448, 0.4372)

Conversions

Conversions Part 1

Format	Color
Hex	A57E32
RGB	165, 126, 50
RGB Percent	65%, 49%, 20%
CMY	0.3530, 0.5059, 0.8038
CMYK	0.00, 0.24, 0.70, 0.35
HSL	40°, 53%, 42%
HSV	40°, 70%, 65%
XYZ	23.5537, 23.1513, 6.2485
YIQ	128.9970, 47.6400, -15.3680

Conversions

Conversions Part 2

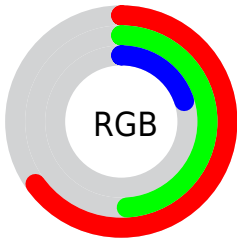
Format	Color
RYB	109, 165, 50
Decimal	10845746
CIELab	55.23, 7.04, 45.66
CIELCh	55, 46.202, 81.233
Yxy	23.1513, 0.4448, 0.4372
Android (android.graphics.Color)	4289035826 (0xFFA57E32)
YUV	128.9970, -38.9455, 31.5746
Hunter-Lab	48.1158, 3.1771, 25.9814

Details

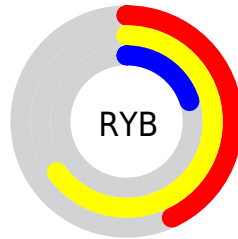
The Yxy color **23.1513, 0.4448, 0.4372** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.5448, 0.1972, 0.1780**, and the grayscale version is **22.0801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4489, 0.4196, 0.4179**, and **8.5590, 0.4792, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **21.6432, 0.4636, 0.4447**, and if you desaturate by 10%, it is **24.7931, 0.4244, 0.4258**.

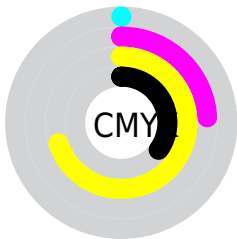
Distribution



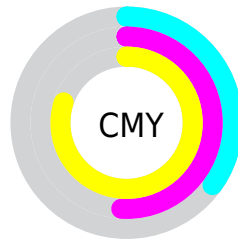
- Red (65%)
- Green (49%)
- Blue (20%)



- Red (43%)
- Yellow (65%)
- Blue (20%)



- Cyan (0%)
- Magenta (24%)
- Yellow (70%)
- Black (35%)





- Cyan (35%)
- Magenta (51%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1513, 0.4448, 0.4372 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 23.1513, 0.4448, 0.4372 by changing the saturation by 10% instead.

 23.1513, 0.4448,
0.4372


 23.1513, 0.4448,
0.4372


268.5012, 0.3746,
0.3824


 14.7053, 0.4618,
0.4489


 48.6416, 0.4191,
0.4181


 8.6128, 0.4819,
0.4615


 66.4547, 0.4095,
0.4106


 4.4895, 0.5164,
0.4836

 88.1590, 0.4013,
0.4041

 1.9510, 0.5255,
0.4745

 114.1388, 0.3943,
0.3985

 0.5788, 0.5551,
0.4449

 144.7785, 0.3883,
0.3937

 0.0000, 0.0000,
0.0000

 180.4625, 0.3831,

0.3894

221.5753, 0.3786,
0.3857

■ 23.1513, 0.4448,
0.4372

■ 23.1513, 0.4448,
0.4372

■ 21.6432, 0.4636,
0.4447

■ 24.7931, 0.4244,
0.4258

■ 20.2582, 0.4798,
0.4474

■ 26.5714, 0.4035,
0.4115

■ 18.9835, 0.4936,
0.4460

■ 28.4930, 0.3828,
0.3954

■ 18.9435, 0.4941,
0.4459

■ 30.5630, 0.3630,
0.3784

■ 32.7861, 0.3446,
0.3612

■ 35.1670, 0.3276,
0.3445

■ 37.7097, 0.3122,
0.3285

■ 40.4185, 0.2984,
0.3134

■ 43.2972, 0.2861,
0.2994

Harmonies

Analogous

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



23.1513, 0.4736, 0.3803



23.1513, 0.4448, 0.4372



23.1513, 0.3823, 0.4759

Triad

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



23.1513, 0.4448, 0.4372



23.1513, 0.1887, 0.3124



23.1513, 0.3027, 0.2283

Complementary

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



23.1513, 0.4448, 0.4372



10.5448, 0.1972, 0.1780

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.



23.1513, 0.2323, 0.2084



23.1513, 0.4448, 0.4372



23.1513, 0.1739, 0.2462

Square

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



23.1513, 0.4448, 0.4372



23.1513, 0.2347, 0.4003



23.1513, 0.1887, 0.2129



23.1513, 0.3865, 0.2683

Rectangle

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



23.1513, 0.4448, 0.4372



23.1513, 0.3314, 0.4770



23.1513, 0.1887, 0.2129



23.1513, 0.2767, 0.2192

Sweetspot

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



23.1524, 0.4448, 0.4372



58.0197, 0.3476, 0.3642



11.0260, 0.4580, 0.2727



12.4548, 0.3523, 0.3686



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.



23.1524, 0.4448, 0.4372



37.2824, 0.4735, 0.4469



33.4125, 0.3870, 0.4935



7.8307, 0.3269, 0.3438



14.4266, 0.4931, 0.4467



0.3852, 0.4607, 0.4724

Inverse Universe

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



10.5448, 0.1972, 0.1780



13.4484, 0.1768, 0.1403



6.2039, 0.1947, 0.1177



7.2344, 0.2987, 0.3137



4.2769, 0.1647, 0.1127



0.1746, 0.1850, 0.1860

Previews

White Background



This preview shows how the Yxy color 23.1513, 0.4448, 0.4372 looks on a white background.

Color Contrast Check

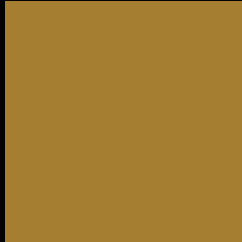
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1513, 0.4448, 0.4372 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 23.1513, 0.4448, 0.4372

Background



This preview shows how black text looks on a background with the Yxy color 23.1513, 0.4448, 0.4372.



This preview shows how white text looks on a background with the Yxy color 23.1513, 0.4448, 0.4372.

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

23.1513, 0.4448, 0.4372

Protanopia

23.3189, 0.4147, 0.4557

Deuteranopia

23.1513, 0.4448, 0.4372



Tritanopia

23.0352, 0.3682, 0.3154

Trichromacy



Original Color

23.1513, 0.4448, 0.4372

Protanomaly

23.0743, 0.4261, 0.4488

Deuteranomaly

23.1513, 0.4448, 0.4372

Tritanomaly

22.9004, 0.4004, 0.3633

Monochromacy



Original Color

23.1513, 0.4448, 0.4372

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.1092, 0.3620, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1513, 0.4448, 0.4372 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(165, 126, 50)` looks like.

```
.text, #text, p{  
    color:rgb(165, 126, 50)  
}
```

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(165, 126, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 126, 50) }
```

Border

The CSS property to change the border of an element to Yxy 23.1513, 0.4448, 0.4372 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(165, 126, 50) }
```

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

```
.border{ border-color:rgb(165, 126, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 126, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 126, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 126, 50);  
box-shadow:4px 4px 4px 4px rgb(165, 126,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1513, 0.4448, 0.4372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 126, 50) }
```

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

```
.background{ background-color: rgb(165,  
126, 50) }
```

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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