

Converting Colors

$Y_{xy}(23.3250, 0.4412, 0.4449)$

Have a look what the booklet for
Yxy(23.3250, 0.4412, 0.4449)
contains.

Yxy(23.3250, 0.4412, 0.4449)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.3250, 0.4412, 0.4449)

Conversions

Conversions Part 1

Format	Color
Hex	A2802F
RGB	162, 128, 47
RGB Percent	64%, 50%, 18%
CMY	0.3647, 0.4980, 0.8157
CMYK	0.00, 0.21, 0.71, 0.36
HSL	42°, 55%, 41%
HSV	42°, 71%, 64%
XYZ	23.1310, 23.3250, 5.9715
YIQ	128.9320, 46.2650, -17.9830

Conversions

Conversions Part 2

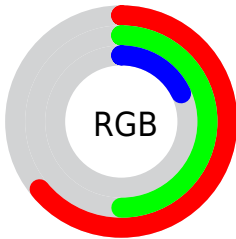
Format	Color
RYB	95, 162, 47
Decimal	10649647
CIELab	55.41, 4.39, 47.13
CIELCh	55, 47.330, 84.683
Yxy	23.3250, 0.4412, 0.4449
Android (android.graphics.Color)	4288839727 (0xFFA2802F)
YUV	128.9320, -40.3925, 29.0006
Hunter-Lab	48.2960, 0.9734, 26.4763

Details

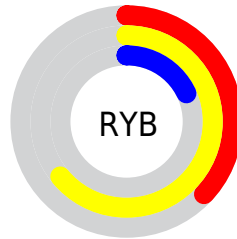
The Yxy color **23.3250, 0.4412, 0.4449** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.0937, 0.1930, 0.1650**, and the grayscale version is **22.0602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1452, 0.4163, 0.4241**, and **8.7178, 0.4714, 0.4639** is the 20% darker color. If you saturate the color by 10%, you get **21.9992, 0.4578, 0.4526**, and if you desaturate by 10%, it is **24.7605, 0.4227, 0.4332**.

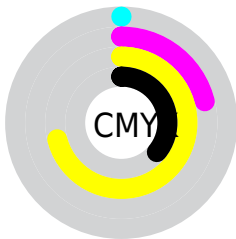
Distribution



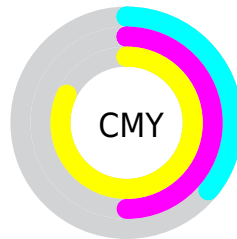
- Red (64%)
- Green (50%)
- Blue (18%)



- Red (37%)
- Yellow (64%)
- Blue (18%)



- Cyan (0%)
- Magenta (21%)
- Yellow (71%)
- Black (36%)





- Cyan (36%)
- Magenta (50%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3250, 0.4412, 0.4449 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 23.3250, 0.4412, 0.4449 by changing the saturation by 10% instead.


 23.3250, 0.4412,
0.4449


 23.3250, 0.4412,
0.4449


269.3899, 0.3736,
0.3857


 14.8337, 0.4571,
0.4578


 48.9264, 0.4168,
0.4242


 8.7027, 0.4755,
0.4717


 66.8053, 0.4074,
0.4160

 4.5478, 0.5055,
0.4945

 88.5822, 0.3995,
0.4090

 1.9845, 0.5112,
0.4888

 114.6414, 0.3928,
0.4030

 0.5984, 0.5304,
0.4696

 145.3674, 0.3870,
0.3978

 0.0000, 0.0000,
0.0000

 181.1445, 0.3819,

0.3933

222.3572, 0.3775,
0.3893

■ 23.3250, 0.4412,
0.4449

■ 23.3250, 0.4412,
0.4449

■ 21.9992, 0.4578,
0.4526

■ 24.7605, 0.4227,
0.4332

■ 20.7733, 0.4718,
0.4556

■ 26.3079, 0.4032,
0.4184

■ 19.7425, 0.4825,
0.4551

■ 27.9734, 0.3836,
0.4016

■ 29.7615, 0.3645,
0.3838

■ 31.6765, 0.3464,
0.3656

■ 33.7223, 0.3296,
0.3478

■ 35.9026, 0.3142,
0.3306

■ 38.2210, 0.3002,
0.3145

■ 40.6809, 0.2876,
0.2994

Harmonies

Analogous

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



23.3250, 0.4758, 0.3877



23.3250, 0.4412, 0.4449



23.3250, 0.3747, 0.4810

Triad

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



23.3250, 0.4412, 0.4449



23.3250, 0.1830, 0.3024



23.3250, 0.3120, 0.2302

Complementary

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



23.3250, 0.4412, 0.4449



9.0937, 0.1930, 0.1650

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.



23.3250, 0.2377, 0.2074



23.3250, 0.4412, 0.4449



23.3250, 0.1717, 0.2388

Square

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



23.3250, 0.4412, 0.4449



23.3250, 0.2261, 0.3916



23.3250, 0.1901, 0.2088



23.3250, 0.3974, 0.2727

Rectangle

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



23.3250, 0.4412, 0.4449



23.3250, 0.3223, 0.4780



23.3250, 0.1901, 0.2088



23.3250, 0.2848, 0.2202

Sweetspot

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



23.3261, 0.4412, 0.4449



57.3671, 0.3471, 0.3664



10.3144, 0.4748, 0.2811



12.6753, 0.3518, 0.3711



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.



23.3261, 0.4412, 0.4449



38.6687, 0.4660, 0.4549



31.5306, 0.3815, 0.4996



7.8821, 0.3268, 0.3448



15.6329, 0.4818, 0.4557



0.4043, 0.4547, 0.4772

Inverse Universe

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



9.0937, 0.1930, 0.1650



11.5215, 0.1729, 0.1271



5.9427, 0.1981, 0.1170



7.1853, 0.2987, 0.3127



3.7794, 0.1616, 0.1018



0.1577, 0.1815, 0.1732

Previews

White Background



This preview shows how the Yxy color 23.3250, 0.4412, 0.4449 looks on a white background.

Color Contrast Check

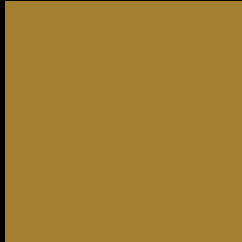
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3250, 0.4412, 0.4449 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 23.3250, 0.4412, 0.4449

Background



This preview shows how black text looks on a background with the Yxy color 23.3250, 0.4412, 0.4449.



This preview shows how white text looks on a background with the Yxy color 23.3250, 0.4412, 0.4449.

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

23.3250, 0.4412, 0.4449

Protanopia

23.2844, 0.4177, 0.4602

Deuteranopia

23.2421, 0.4476, 0.4386



Tritanopia

23.3428, 0.3624, 0.3153

Trichromacy



Original Color

23.3250, 0.4412, 0.4449

Protanomaly

23.2183, 0.4261, 0.4541

Deuteranomaly

23.3915, 0.4452, 0.4405

Tritanomaly

23.1738, 0.3966, 0.3667

Monochromacy



Original Color

23.3250, 0.4412, 0.4449

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.2641, 0.3614, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3250, 0.4412, 0.4449 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(162, 128, 47)` looks like.

```
.text, #text, p{  
    color:rgb(162, 128, 47)  
}
```

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(162, 128, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 128, 47) }
```

Border

The CSS property to change the border of an element to Yxy 23.3250, 0.4412, 0.4449 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(162, 128, 47) }
```

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

```
.border{ border-color:rgb(162, 128, 47) }
```

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

Here you see how a box with a 4 pixel rgb(162, 128, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 128, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 128, 47);  
box-shadow:4px 4px 4px 4px rgb(162, 128,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3250, 0.4412, 0.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 128, 47) }
```

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

```
.background{ background-color: rgb(162,  
128, 47) }
```

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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