

Converting Colors

$Y_{xy}(23.4107, 0.4522, 0.4140)$

Have a look what the booklet for
Yxy(23.4107, 0.4522, 0.4140)
contains.

| | |
|---|----|
| Yxy(23.3699, 0.4515, 0.4141) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(23.3699, 0.4515, 0.4141)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | AF7A3D |
| RGB | 175, 122, 61 |
| RGB Percent | 69%, 48%, 24% |
| CMY | 0.3137, 0.5215, 0.7607 |
| CMYK | 0.00, 0.30, 0.65, 0.31 |
| HSL | 32°, 48%, 46% |
| HSV | 32°, 65%, 69% |
| XYZ | 25.4806, 23.3699, 7.5849 |
| YIQ | 130.8930, 51.1690, -7.7350 |

Conversions

Conversions Part 2

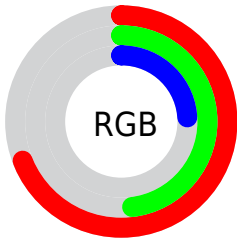
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 160, 175, 61 |
| Decimal | 11500093 |
| CIE Lab | 55.45, 14.42, 40.90 |
| CIE LCh | 55, 43.367, 70.580 |
| Yxy | 23.3699, 0.4515, 0.4141 |
| Android (android.graphics.Color) | 4289690173 (0xFFAF7A3D) |
| YUV | 130.8930, -34.4572, 38.6818 |
| Hunter-Lab | 48.3424, 9.4855, 24.5371 |

Details

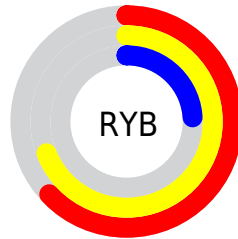
The Yxy color **23.3699, 0.4515, 0.4141** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.1236, 0.2101, 0.2160**, and the grayscale version is **22.7695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9122, 0.4237, 0.3990**, and **8.7112, 0.4968, 0.4306** is the 20% darker color. If you saturate the color by 10%, you get **21.2971, 0.4768, 0.4209**, and if you desaturate by 10%, it is **25.6739, 0.4258, 0.4038**.

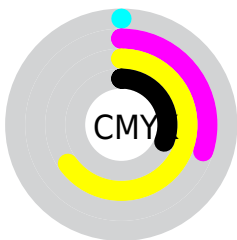
Distribution



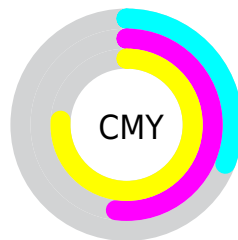
- Red (69%)
- Green (48%)
- Blue (24%)



- Red (63%)
- Yellow (69%)
- Blue (24%)



- Cyan (0%)
- Magenta (30%)
- Yellow (65%)
- Black (31%)





- Cyan (31%)
- Magenta (52%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3699, 0.4515, 0.4141 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 23.3699, 0.4515, 0.4141 by changing the saturation by 10% instead.


 23.3699, 0.4515,
0.4141

 23.3699, 0.4515,
0.4141


269.6192, 0.3762,
0.3722

 14.8669, 0.4709,
0.4226


 49.0000, 0.4233,
0.3998


 8.7260, 0.4952,
0.4313


 66.8958, 0.4129,
0.3941

 4.5629, 0.5343,
0.4454

 88.6914, 0.4042,
0.3891

 1.9932, 0.5628,
0.4372

 114.7712, 0.3968,
0.3848

 0.6035, 0.6060,
0.3940

 145.5194, 0.3906,
0.3811

 0.0000, 0.0000,
0.0000

 181.3206, 0.3851,

0.3777

222.5590, 0.3804,
0.3748

■ 23.3699, 0.4515,
0.4141

■ 23.3699, 0.4515,
0.4141

■ 21.2971, 0.4768,
0.4209

■ 25.6739, 0.4258,
0.4038

■ 19.4416, 0.5003,
0.4231

■ 28.2149, 0.4009,
0.3912

■ 17.7926, 0.5206,
0.4200

■ 31.0026, 0.3777,
0.3774

■ 17.0547, 0.5299,
0.4175

■ 34.0452, 0.3565,
0.3631

■ 37.3502, 0.3375,
0.3491

■ 40.9248, 0.3206,
0.3356

■ 44.7760, 0.3057,
0.3229

■ 48.9103, 0.2927,
0.3111

■ 53.3340, 0.2813,
0.3002

Harmonies

Analogous

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



23.3699, 0.4624, 0.3587



23.3699, 0.4515, 0.4141



23.3699, 0.4025, 0.4581

Triad

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



23.3699, 0.4515, 0.4141



23.3699, 0.2081, 0.3423



23.3699, 0.2776, 0.2246

Complementary

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



23.3699, 0.4515, 0.4141



16.1236, 0.2101, 0.2160

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.



23.3699, 0.2192, 0.2136



23.3699, 0.4515, 0.4141



23.3699, 0.1831, 0.2704

Square

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



23.3699, 0.4515, 0.4141



23.3699, 0.2616, 0.4221



23.3699, 0.1872, 0.2275



23.3699, 0.3543, 0.2565

Rectangle

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



23.3699, 0.4515, 0.4141



23.3699, 0.3572, 0.4697



23.3699, 0.1872, 0.2275



23.3699, 0.2555, 0.2184

Sweetspot

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



23.3711, 0.4515, 0.4141



63.7514, 0.3471, 0.3564



13.6723, 0.4186, 0.2555



13.8117, 0.3524, 0.3602



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



23.3711, 0.4515, 0.4141



36.6971, 0.4870, 0.4224



39.6750, 0.3976, 0.4779



8.6983, 0.3274, 0.3411



12.3384, 0.5283, 0.4187



0.4514, 0.4871, 0.4514

Inverse Universe

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



16.1236, 0.2101, 0.2160



22.7837, 0.1922, 0.1867



7.5518, 0.1912, 0.1248



8.3479, 0.2986, 0.3166



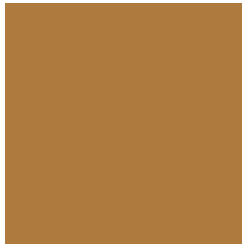
6.5900, 0.1747, 0.1490



0.2935, 0.1910, 0.2076

Previews

White Background



This preview shows how the Yxy color 23.3699, 0.4515, 0.4141 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 23.3699, 0.4515, 0.4141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

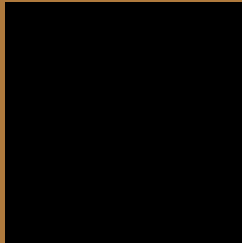
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.3699, 0.4515, 0.4141

Background



This preview shows how black text looks on a background with the Yxy color 23.3699, 0.4515, 0.4141.



This preview shows how white text looks on a background with the Yxy color 23.3699, 0.4515, 0.4141.

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

23.3699, 0.4515, 0.4141

Protanopia

23.3598, 0.4024, 0.4398

Deuteranopia

23.5043, 0.4351, 0.4275



Tritanopia

23.3004, 0.3846, 0.3160

Trichromacy



Original Color

23.3699, 0.4515, 0.4141

Protanomaly

23.2388, 0.4195, 0.4299

Deuteranomaly

23.4285, 0.4421, 0.4226

Tritanomaly

23.3614, 0.4123, 0.3543

Monochromacy



Original Color

23.3699, 0.4515, 0.4141

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.6820, 0.3613, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3699, 0.4515, 0.4141 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(175, 122, 61)` looks like.

```
.text, #text, p{  
    color:rgb(175, 122, 61)  
}
```

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(175, 122, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 122, 61) }
```

Border

The CSS property to change the border of an element to Yxy 23.3699, 0.4515, 0.4141 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(175, 122, 61) }
```

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

```
.border{ border-color:rgb(175, 122, 61) }
```

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

Here you see how a box with a 4 pixel rgb(175, 122, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 122, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 122, 61);  
box-shadow:4px 4px 4px 4px rgb(175, 122,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3699, 0.4515, 0.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 122, 61) }
```

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

```
.background{ background-color: rgb(175,  
122, 61) }
```

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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