

Converting Colors

$Y_{xy}(23.5521, 0.4416, 0.4337)$

Have a look what the booklet for
Yxy(23.5521, 0.4416, 0.4337)
contains.

Yxy(23.5521, 0.4416, 0.4337)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5521, 0.4416, 0.4337)

Conversions

Conversions Part 1

Format	Color
Hex	A67F36
RGB	166, 127, 54
RGB Percent	65%, 50%, 21%
CMY	0.3490, 0.5019, 0.7882
CMYK	0.00, 0.23, 0.67, 0.35
HSL	39°, 51%, 43%
HSV	39°, 67%, 65%
XYZ	23.9811, 23.5521, 6.7718
YIQ	130.3390, 46.6770, -14.4350

Conversions

Conversions Part 2

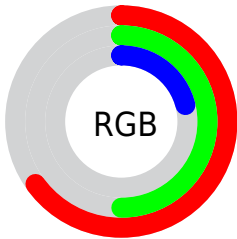
Format	Color
R_{YB}	114, 166, 54
Decimal	10911542
CIE Lab	55.64, 7.17, 44.27
CIE LCh	56, 44.848, 80.802
Yxy	23.5521, 0.4416, 0.4337
Android (android.graphics.Color)	4289101622 (0xFFA67F36)
YUV	130.3390, -37.6351, 31.2747
Hunter-Lab	48.5305, 3.2765, 25.6982

Details

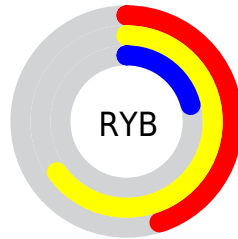
The Yxy color **23.5521, 0.4416, 0.4337** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.3653, 0.2009, 0.1854**, and the grayscale version is **22.5738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4893, 0.4162, 0.4156**, and **8.7638, 0.4786, 0.4582** is the 20% darker color. If you saturate the color by 10%, you get **21.9726, 0.4612, 0.4419**, and if you desaturate by 10%, it is **25.2728, 0.4207, 0.4217**.

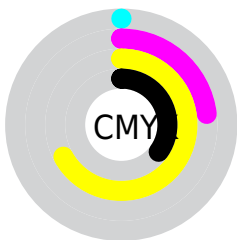
Distribution



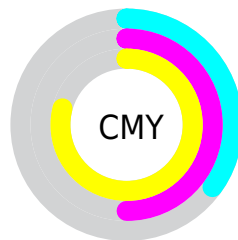
- Red (65%)
- Green (50%)
- Blue (21%)



- Red (45%)
- Yellow (65%)
- Blue (21%)



- Cyan (0%)
- Magenta (23%)
- Yellow (67%)
- Black (35%)





- Cyan (35%)
- Magenta (50%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5521, 0.4416, 0.4337 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 23.5521, 0.4416, 0.4337 by changing the saturation by 10% instead.


 23.5521, 0.4416,
0.4337


 23.5521, 0.4416,
0.4337


270.5482, 0.3729,
0.3805


 15.0017, 0.4584,
0.4453


 49.2983, 0.4164,
0.4151


 8.8206, 0.4787,
0.4580


 67.2629, 0.4069,
0.4078


 4.6243, 0.5167,
0.4833

 89.1343, 0.3989,
0.4015

 2.0286, 0.5257,
0.4743

 115.2970, 0.3921,
0.3961

 0.6240, 0.5518,
0.4482

 146.1354, 0.3863,
0.3914

 0.0000, 0.0000,
0.0000

 182.0337, 0.3813,

0.3873

223.3765, 0.3768,
0.3837

■ 23.5521, 0.4416,
0.4337

■ 23.5521, 0.4416,
0.4337

■ 21.9726, 0.4612,
0.4419

■ 25.2728, 0.4207,
0.4217

■ 20.5237, 0.4785,
0.4455

■ 27.1376, 0.3994,
0.4071

■ 19.1960, 0.4929,
0.4445

■ 29.1531, 0.3787,
0.3909

■ 18.8750, 0.4965,
0.4440

■ 31.3248, 0.3590,
0.3740

■ 33.6574, 0.3408,
0.3571

■ 36.1557, 0.3241,
0.3407

■ 38.8239, 0.3091,
0.3251

■ 41.6662, 0.2956,
0.3105

■ 44.6866, 0.2836,
0.2969

Harmonies

Analogous

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



23.5521, 0.4684, 0.3786



23.5521, 0.4416, 0.4337



23.5521, 0.3816, 0.4707

Triad

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



23.5521, 0.4416, 0.4337



23.5521, 0.1929, 0.3144



23.5521, 0.3021, 0.2308

Complementary

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



23.5521, 0.4416, 0.4337



11.3653, 0.2009, 0.1854

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.



23.5521, 0.2341, 0.2118



23.5521, 0.4416, 0.4337



23.5521, 0.1779, 0.2498

Square

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



23.5521, 0.4416, 0.4337



23.5521, 0.2383, 0.3988



23.5521, 0.1919, 0.2167



23.5521, 0.3829, 0.2695

Rectangle

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



23.5521, 0.4416, 0.4337



23.5521, 0.3324, 0.4717



23.5521, 0.1919, 0.2167



23.5521, 0.2770, 0.2220

Sweetspot

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



23.5533, 0.4416, 0.4337



59.8262, 0.3459, 0.3620



11.5392, 0.4510, 0.2735



13.1304, 0.3508, 0.3666



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.5533, 0.4416, 0.4337



38.5252, 0.4703, 0.4444



33.9470, 0.3857, 0.4898



8.3275, 0.3270, 0.3437



14.7265, 0.4956, 0.4447



0.4485, 0.4649, 0.4691

Inverse Universe

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



11.3653, 0.2009, 0.1854



15.0357, 0.1808, 0.1494



6.7235, 0.1986, 0.1238



7.7118, 0.2986, 0.3139



4.5460, 0.1652, 0.1148



0.2061, 0.1843, 0.1836

Previews

White Background



This preview shows how the Yxy color 23.5521, 0.4416, 0.4337 looks on a white background.

Color Contrast Check

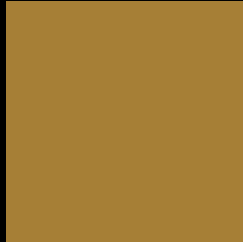
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5521, 0.4416, 0.4337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

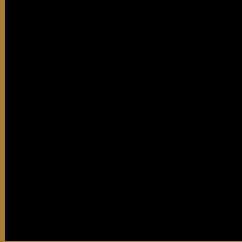
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5521, 0.4416, 0.4337

Background



This preview shows how black text looks on a background with the Yxy color 23.5521, 0.4416, 0.4337.



This preview shows how white text looks on a background with the Yxy color 23.5521, 0.4416, 0.4337.

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

23.5521, 0.4416, 0.4337

Protanopia

23.7253, 0.4118, 0.4516

Deuteranopia

23.5521, 0.4416, 0.4337



Tritanopia

23.4101, 0.3678, 0.3155

Trichromacy



Original Color

23.5521, 0.4416, 0.4337

Protanomaly

23.4770, 0.4230, 0.4449

Deuteranomaly

23.5521, 0.4416, 0.4337

Tritanomaly

23.2937, 0.3985, 0.3616

Monochromacy



Original Color

23.5521, 0.4416, 0.4337

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.4995, 0.3605, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5521, 0.4416, 0.4337 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(166, 127, 54)` looks like.

```
.text, #text, p{  
    color:rgb(166, 127, 54)  
}
```

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(166, 127, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 127, 54) }
```

Border

The CSS property to change the border of an element to Yxy 23.5521, 0.4416, 0.4337 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(166, 127, 54) }
```

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

```
.border{ border-color:rgb(166, 127, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 127, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 127, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 127, 54);  
box-shadow:4px 4px 4px 4px rgb(166, 127,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5521, 0.4416, 0.4337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 127, 54) }
```

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

```
.background{ background-color: rgb(166,  
127, 54) }
```

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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