

Converting Colors

$Y_{xy}(23.4213, 0.4090, 0.4113)$

Have a look what the booklet for
Yxy(23.4213, 0.4090, 0.4113)
contains.

Yxy(23.5054, 0.4077, 0.4115)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5054, 0.4077, 0.4115)

Conversions

Conversions Part 1

Format	Color
Hex	9E814D
RGB	158, 129, 77
RGB Percent	62%, 51%, 30%
CMY	0.3804, 0.4941, 0.6981
CMYK	0.00, 0.18, 0.51, 0.38
HSL	39°, 34%, 46%
HSV	39°, 51%, 62%
XYZ	23.2883, 23.5054, 10.3275
YIQ	131.7430, 33.9760, -10.0240

Conversions

Conversions Part 2

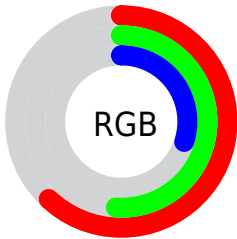
Format	Color
RYB	122, 158, 77
Decimal	10387789
CIELab	55.59, 4.30, 32.22
CIELCh	56, 32.505, 82.397
Yxy	23.5054, 0.4077, 0.4115
Android (android.graphics.Color)	4288577869 (0xFF9E814D)
YUV	131.7430, -26.9883, 23.0274
Hunter-Lab	48.4824, 0.8977, 21.3079

Details

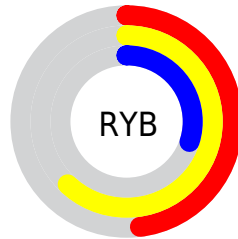
The Yxy color **23.5054, 0.4077, 0.4115** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.3461, 0.2280, 0.2274**, and the grayscale version is **23.0666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2843, 0.3875, 0.3955**, and **8.7741, 0.4396, 0.4378** is the 20% darker color. If you saturate the color by 10%, you get **21.8616, 0.4292, 0.4251**, and if you desaturate by 10%, it is **25.2881, 0.3865, 0.3960**.

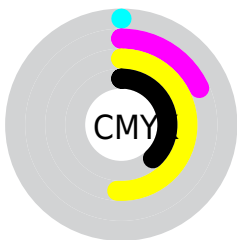
Distribution



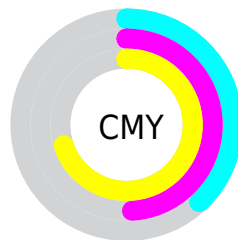
- Red (62%)
- Green (51%)
- Blue (30%)



- Red (48%)
- Yellow (62%)
- Blue (30%)



- Cyan (0%)
- Magenta (18%)
- Yellow (51%)
- Black (38%)




- Cyan (38%)
- Magenta (49%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5054, 0.4077, 0.4115 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 23.5054, 0.4077, 0.4115 by changing the saturation by 10% instead.


 23.5054, 0.4077,
0.4115


 23.5054, 0.4077,
0.4115


270.3103, 0.3558,
0.3675


 14.9671, 0.4217,
0.4228


 49.2219, 0.3879,
0.3951


 8.7963, 0.4398,
0.4368


 67.1689, 0.3808,
0.3890

 4.6086, 0.4637,
0.4543


 89.0209, 0.3748,
0.3840

 2.0195, 0.5106,
0.4894

 115.1623, 0.3698,
0.3796

 0.6188, 0.5283,
0.4717

 145.9776, 0.3655,
0.3759

 0.0000, 0.0000,
0.0000

181.8511, 0.3618,

0.3727

223.1672, 0.3586,
0.3699

■ 23.5054, 0.4077,
0.4115

■ 23.5054, 0.4077,
0.4115

■ 21.8616, 0.4292,
0.4251

■ 25.2881, 0.3865,
0.3960

■ 20.3479, 0.4501,
0.4356

■ 27.2111, 0.3663,
0.3796

■ 18.9596, 0.4693,
0.4421

■ 29.2801, 0.3475,
0.3629

■ 17.6899, 0.4860,
0.4438

■ 31.4994, 0.3302,
0.3466

■ 16.6664, 0.4987,
0.4422

■ 33.8731, 0.3146,
0.3309

■ 36.4049, 0.3006,
0.3162

■ 39.0985, 0.2881,
0.3025

■ 41.9575, 0.2770,
0.2898

■ 44.9854, 0.2671,
0.2781

Harmonies

Analogous

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



23.5054, 0.4267, 0.3724



23.5054, 0.4077, 0.4115



23.5054, 0.3636, 0.4325

Triad

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



23.5054, 0.4077, 0.4115



23.5054, 0.2219, 0.3175



23.5054, 0.3091, 0.2557

Complementary

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



23.5054, 0.4077, 0.4115



14.3461, 0.2280, 0.2274

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.



23.5054, 0.2569, 0.2402



23.5054, 0.4077, 0.4115



23.5054, 0.2104, 0.2702

Square

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



23.5054, 0.4077, 0.4115



23.5054, 0.2565, 0.3757



23.5054, 0.2225, 0.2442



23.5054, 0.3672, 0.2868

Rectangle

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



23.5054, 0.4077, 0.4115



23.5054, 0.3269, 0.4290



23.5054, 0.2225, 0.2442



23.5054, 0.2902, 0.2485

Sweetspot

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



23.5065, 0.4077, 0.4115



55.5574, 0.3369, 0.3531



13.6285, 0.4002, 0.2813



12.3449, 0.3404, 0.3563



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



23.5065, 0.4077, 0.4115



39.1550, 0.4333, 0.4274



31.2062, 0.3740, 0.4554



7.3207, 0.3269, 0.3433



13.4263, 0.4979, 0.4429



0.3174, 0.4599, 0.4730

Inverse Universe

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



14.3461, 0.2280, 0.2274



20.6151, 0.2084, 0.1985



9.8380, 0.2281, 0.1750



6.8043, 0.2988, 0.3142



4.3525, 0.1661, 0.1179



0.1542, 0.1878, 0.1959

Previews

White Background



This preview shows how the Yxy color 23.5054, 0.4077, 0.4115 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 23.5054, 0.4077, 0.4115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

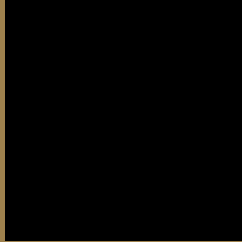
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5054, 0.4077, 0.4115

Background



This preview shows how black text looks on a background with the Yxy color 23.5054, 0.4077, 0.4115.



This preview shows how white text looks on a background with the Yxy color 23.5054, 0.4077, 0.4115.

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

23.5054, 0.4077, 0.4115

Protanopia

23.4506, 0.3874, 0.4196

Deuteranopia

23.3959, 0.4144, 0.4068



Tritanopia

23.3715, 0.3518, 0.3135

Trichromacy



Original Color

23.5054, 0.4077, 0.4115

Protanomaly

23.5366, 0.3942, 0.4179

Deuteranomaly

23.5512, 0.4123, 0.4087

Tritanomaly

23.4142, 0.3730, 0.3500

Monochromacy



Original Color

23.5054, 0.4077, 0.4115

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.0652, 0.3457, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5054, 0.4077, 0.4115 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(158, 129, 77)` looks like.

```
.text, #text, p{  
    color:rgb(158, 129, 77)  
}
```

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(158, 129, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 129, 77) }
```

Border

The CSS property to change the border of an element to Yxy 23.5054, 0.4077, 0.4115 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(158, 129, 77) }
```

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

```
.border{ border-color:rgb(158, 129, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 129, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 129, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 129, 77);  
box-shadow:4px 4px 4px 4px rgb(158, 129,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5054, 0.4077, 0.4115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 129, 77) }
```

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

```
.background{ background-color: rgb(158,  
129, 77) }
```

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