

# Converting Colors

$Y_{xy}(13.0077, 0.4756, 0.3560)$

Have a look what the booklet for  
Yxy(13.0077, 0.4756, 0.3560)  
contains.

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# Color

**Yxy(13.0077, 0.4756, 0.3560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9C4F3E
RGB	156, 79, 62
RGB Percent	61%, 31%, 24%
CMY	0.3882, 0.6902, 0.7568
CMYK	0.00, 0.49, 0.60, 0.39
HSL	11°, 43%, 43%
HSV	11°, 60%, 61%
XYZ	17.3777, 13.0077, 6.1531
YIQ	100.0850, 51.3490, 11.0370

# Conversions

## Conversions Part 2

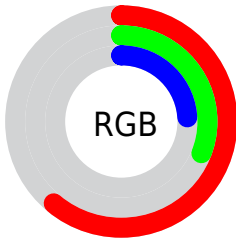
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 83, 62
Decimal	10243902
CIELab	42.77, 30.44, 24.59
CIELCh	43, 39.133, 38.924
Yxy	13.0077, 0.4756, 0.3560
Android (android.graphics.Color)	4288433982 (0xFF9C4F3E)
YUV	100.0850, -18.7759, 49.0375
Hunter-Lab	36.0662, 22.8905, 15.1311

# Details

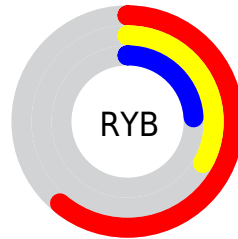
The Yxy color **13.0077, 0.4756, 0.3560** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.8968, 0.2331, 0.2963**, and the grayscale version is **12.8061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3872, 0.4344, 0.3539**, and **3.7363, 0.5517, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **11.1911, 0.5168, 0.3575**, and if you desaturate by 10%, it is **15.2294, 0.4372, 0.3526**.

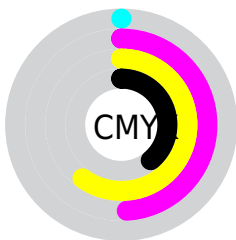
# Distribution



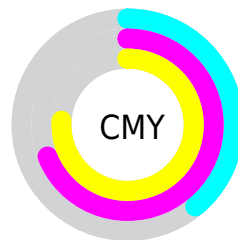
- Red (61%)
- Green (31%)
- Blue (24%)



- Red (61%)
- Yellow (33%)
- Blue (24%)



- Cyan (0%)
- Magenta (49%)
- Yellow (60%)
- Black (39%)



- Cyan (39%)
- Magenta (69%)
- Yellow (76%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0077, 0.4756, 0.3560 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 13.0077, 0.4756, 0.3560 by changing the saturation by 10% instead.





 13.0077, 0.4756,  
0.3560


 13.0077, 0.4756,  
0.3560


 210.9670, 0.3770,  
0.3452


 7.4338, 0.5072,  
0.3556


 31.3176, 0.4349,  
0.3536


 3.7349, 0.5519,  
0.3514

 44.8225, 0.4211,  
0.3521

 1.5264, 0.6474,  
0.3526

 61.7398, 0.4101,  
0.3507

 0.3072, 0.7737,  
0.2263

 82.4539, 0.4011,  
0.3494

 0.0000, 0.0000,  
0.0000

 107.3494, 0.3935,  
0.3482

 136.8104, 0.3872,

0.3471

171.2215, 0.3818,  
0.3461

■ 13.0077, 0.4756,  
0.3560

■ 13.0077, 0.4756,  
0.3560

■ 11.1911, 0.5168,  
0.3575

■ 15.2294, 0.4372,  
0.3526

■ 9.7529, 0.5573,  
0.3564

■ 17.8767, 0.4032,  
0.3482

■ 8.6660, 0.5925,  
0.3521

■ 20.9713, 0.3742,  
0.3433

■ 7.9090, 0.6192,  
0.3465

■ 24.5327, 0.3500,  
0.3383

■ 28.5791, 0.3298,  
0.3336

■ 33.1280, 0.3131,  
0.3291

■ 38.1958, 0.2993,  
0.3250

■ 43.7982, 0.2878,  
0.3213

■ 49.9504, 0.2782,  
0.3179

# Harmonies

## Analogous

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



13.0077, 0.4331, 0.2976



13.0077, 0.4756, 0.3560



13.0077, 0.4652, 0.4162

# Triad

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



13.0077, 0.4756, 0.3560



13.0077, 0.2601, 0.4365



13.0077, 0.2086, 0.2044

# Complementary

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



13.0077, 0.4756, 0.3560



21.8968, 0.2331, 0.2963

# 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.



13.0077, 0.1763, 0.2202



13.0077, 0.4756, 0.3560



13.0077, 0.2012, 0.3478

# Square

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



13.0077, 0.4756, 0.3560



13.0077, 0.3376, 0.4825



13.0077, 0.1732, 0.2676



13.0077, 0.2699, 0.2151



# Rectangle

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



13.0077, 0.4756, 0.3560



13.0077, 0.4337, 0.4523



13.0077, 0.1732, 0.2676



13.0077, 0.1946, 0.2065

# Sweetspot

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



13.0084, 0.4756, 0.3560



45.8776, 0.3458, 0.3374



12.4187, 0.3429, 0.2109



9.6786, 0.3518, 0.3387



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290



# Same Dimension

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



13.0084, 0.4756, 0.3560



19.4228, 0.5299, 0.3575



22.0025, 0.4245, 0.4270



6.8305, 0.3280, 0.3331



6.5521, 0.6181, 0.3474



0.1641, 0.5582, 0.3950



# Inverse Universe

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



21.8968, 0.2331, 0.2963



36.8572, 0.2219, 0.2879



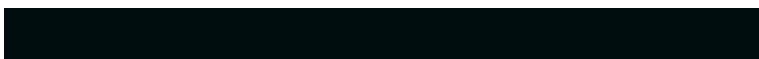
11.3139, 0.2121, 0.2011



7.3054, 0.2988, 0.3249



14.6978, 0.2087, 0.2714



0.3115, 0.2158, 0.2968



# Previews

## White Background



This preview shows how the Yxy color 13.0077, 0.4756, 0.3560 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

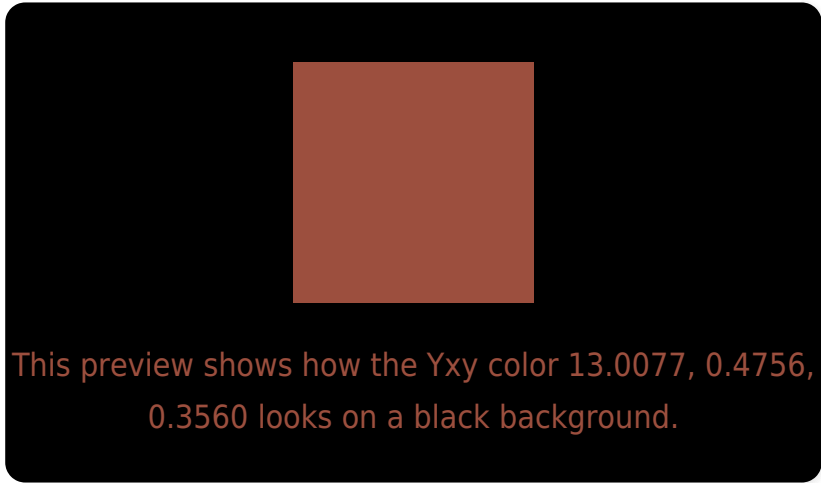
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black 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

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

**Yxy 13.0077, 0.4756, 0.3560**

## Background



This preview shows how black text looks on a background with the Yxy color 13.0077, 0.4756, 0.3560.



This preview shows how white text looks on a background with the Yxy color 13.0077, 0.4756, 0.3560.

# 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

13.0077, 0.4756, 0.3560

### Protanopia

13.2727, 0.3681, 0.3966

### Deuteranopia

13.1502, 0.4116, 0.4047



## Tritanopia

12.9462, 0.4448, 0.3197

# Trichromacy



## Original Color

13.0077, 0.4756, 0.3560

## Protanomaly

12.9348, 0.4062, 0.3808

## Deuteranomaly

12.8728, 0.4367, 0.3844

## Tritanomaly

12.9839, 0.4567, 0.3326

# Monochromacy



## Original Color

13.0077, 0.4756, 0.3560

## Achromatopsia

12.7438, 0.3127, 0.3290

## Achromatomaly

12.3192, 0.3676, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 13.0077, 0.4756, 0.3560 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(156, 79, 62)` looks like.

```
.text, #text, p{  
    color:rgb(156, 79, 62)  
}
```

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(156, 79, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 79, 62) }
```

## Border

The CSS property to change the border of an element to Yxy 13.0077, 0.4756, 0.3560 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(156, 79, 62) }
```

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

```
.border{ border-color:rgb(156, 79, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 79, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 79, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 79, 62);  
box-shadow:4px 4px 4px 4px rgb(156, 79,  
62) }
```



# Background

The CSS property to change the background color of an element to Yxy 13.0077, 0.4756, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 79, 62) }
```

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

```
.background{ background-color: rgb(156, 79,  
62) }
```

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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