

Converting Colors

$Y_{xy}(13.1568, 0.4381, 0.3196)$

Have a look what the booklet for
Yxy(13.1568, 0.4381, 0.3196)
contains.

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Color

Yxy(13.1568, 0.4381, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	9C4E54
RGB	156, 78, 84
RGB Percent	61%, 31%, 33%
CMY	0.3882, 0.6941, 0.6706
CMYK	0.00, 0.50, 0.46, 0.39
HSL	355°, 33%, 46%
HSV	355°, 50%, 61%
XYZ	18.0350, 13.1568, 9.9746
YIQ	102.0060, 44.5620, 18.4020

Conversions

Conversions Part 2

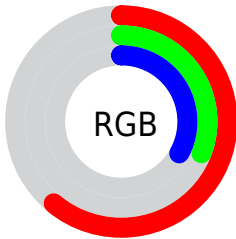
Format	Color
RYB	156, 78, 84
Decimal	10243668
CIELab	43.00, 33.01, 11.56
CIElCh	43, 34.980, 19.302
Yxy	13.1568, 0.4381, 0.3196
Android (android.graphics.Color)	4288433748 (0xFF9C4E54)
YUV	102.0060, -8.8770, 47.3527
Hunter-Lab	36.2723, 25.2758, 9.0863

Details

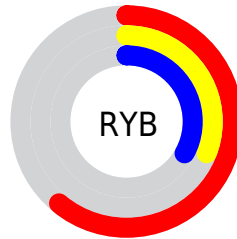
The Yxy color **13.1568, 0.4381, 0.3196** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.6001, 0.2528, 0.3397**, and the grayscale version is **13.3039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5401, 0.4064, 0.3243**, and **3.7919, 0.5022, 0.3085** is the 20% darker color. If you saturate the color by 10%, you get **10.9945, 0.4794, 0.3185**, and if you desaturate by 10%, it is **15.8927, 0.4023, 0.3213**.

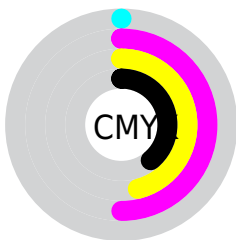
Distribution



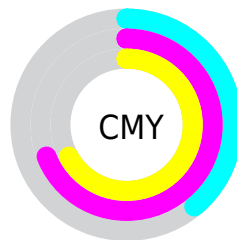
- Red (61%)
- Green (31%)
- Blue (33%)



- Red (61%)
- Yellow (31%)
- Blue (33%)



- Cyan (0%)
- Magenta (50%)
- Yellow (46%)
- Black (39%)



- Cyan (39%)
- Magenta (69%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1568, 0.4381, 0.3196 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 13.1568, 0.4381, 0.3196 by changing the saturation by 10% instead.


 13.1568, 0.4381,
0.3196


 13.1568, 0.4381,
0.3196


211.9201, 0.3618,
0.3275


 7.5366, 0.4636,
0.3155


 31.5852, 0.4061,
0.3237


 3.7999, 0.5015,
0.3081


 45.1622, 0.3955,
0.3248

 1.5623, 0.5638,
0.2936


 62.1602, 0.3871,
0.3256

 0.3320, 0.7765,
0.2235

 82.9637, 0.3802,
0.3262

 0.0000, 1.0000,
0.0000

 107.9571, 0.3744,
0.3267

 0.0000, 0.0000,
0.0000

137.5247, 0.3696,

0.3270

172.0509, 0.3654,
0.3273

■ 13.1568, 0.4381,
0.3196

■ 13.1568, 0.4381,
0.3196

■ 10.9945, 0.4794,
0.3185

■ 15.8927, 0.4023,
0.3213

■ 9.3631, 0.5241,
0.3184

■ 19.2368, 0.3725,
0.3232

■ 8.2174, 0.5679,
0.3196


■ 23.2235, 0.3482,
0.3252


■ 7.5034, 0.6046,
0.3222


■ 27.8840, 0.3285,
0.3272


■ 7.0947, 0.6302,
0.3245

■ 33.2473, 0.3127,
0.3290

 7.0947, 0.6302,
0.3245

 39.3410, 0.2999,
0.3307

 46.1910, 0.2896,
0.3322

 53.8219, 0.2811,
0.3336

 62.2574, 0.2742,
0.3349

Harmonies

Analogous

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



13.1568, 0.3756, 0.2702



13.1568, 0.4381, 0.3196



13.1568, 0.4607, 0.3746

Triad

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



13.1568, 0.4381, 0.3196



13.1568, 0.3117, 0.4563



13.1568, 0.1960, 0.2229

Complementary

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



13.1568, 0.4381, 0.3196



27.6001, 0.2528, 0.3397

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.



13.1568, 0.1839, 0.2565



13.1568, 0.4381, 0.3196



13.1568, 0.2451, 0.3987

Square

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



13.1568, 0.4381, 0.3196



13.1568, 0.3823, 0.4625



13.1568, 0.2001, 0.3195



13.1568, 0.2353, 0.2166

Rectangle

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



13.1568, 0.4381, 0.3196



13.1568, 0.4499, 0.4105



13.1568, 0.2001, 0.3195



13.1568, 0.1889, 0.2308

Sweetspot

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



13.1575, 0.4381, 0.3196



46.0028, 0.3384, 0.3262



14.2867, 0.3092, 0.2083



9.7663, 0.3424, 0.3258



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.



13.1575, 0.4381, 0.3196



19.5671, 0.4846, 0.3184



18.8791, 0.4197, 0.3825



6.6540, 0.3273, 0.3273



5.8459, 0.6292, 0.3240



0.1067, 0.5814, 0.2977

Inverse Universe

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



13.1575, 0.4381, 0.3196



19.5671, 0.4846, 0.3184



18.3113, 0.2370, 0.2664



6.6540, 0.3273, 0.3273



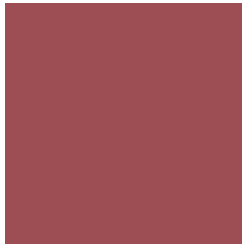
5.8459, 0.6292, 0.3240



0.1067, 0.5814, 0.2977

Previews

White Background



This preview shows how the Yxy color 13.1568, 0.4381, 0.3196 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



This preview shows how the Yxy color 13.1568, 0.4381, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

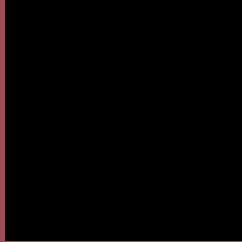
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1568, 0.4381, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 13.1568, 0.4381, 0.3196.



This preview shows how white text looks on a background with the Yxy color 13.1568, 0.4381, 0.3196.

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

13.1568, 0.4381, 0.3196

Protanopia

13.3505, 0.3252, 0.3422

Deuteranopia

13.2514, 0.3704, 0.3646



Tritanopia

13.1568, 0.4381, 0.3196

Trichromacy



Original Color

13.1568, 0.4381, 0.3196

Protanomaly

12.8865, 0.3639, 0.3312

Deuteranomaly

12.9969, 0.3942, 0.3467

Tritanomaly

13.1568, 0.4381, 0.3196

Monochromacy



Original Color

13.1568, 0.4381, 0.3196

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7925, 0.3559, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1568, 0.4381, 0.3196 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, 78, 84)` looks like.

```
.text, #text, p{  
    color:rgb(156, 78, 84)  
}
```

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, 78, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 78, 84) }
```

Border

The CSS property to change the border of an element to Yxy 13.1568, 0.4381, 0.3196 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, 78, 84) }
```

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

```
.border{ border-color:rgb(156, 78, 84) }
```

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

Here you see how a box with a 4 pixel rgb(156, 78, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 78, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 78, 84);  
box-shadow:4px 4px 4px 4px rgb(156, 78,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1568, 0.4381, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 78, 84) }
```

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

```
.background{ background-color: rgb(156, 78,  
84) }
```

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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