

Converting Colors

$Y_{xy}(13.3629, 0.4435, 0.3388)$

Have a look what the booklet for
Yxy(13.3629, 0.4435, 0.3388)
contains.

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Color

Yxy(13.3427, 0.4428, 0.3377)

Conversions

Conversions Part 1

Format	Color
Hex	99524D
RGB	153, 82, 77
RGB Percent	60%, 32%, 30%
CMY	0.3999, 0.6784, 0.6981
CMYK	0.00, 0.46, 0.50, 0.40
HSL	4°, 33%, 45%
HSV	4°, 50%, 60%
XYZ	17.4953, 13.3427, 8.6726
YIQ	102.6590, 43.9210, 13.4970

Conversions

Conversions Part 2

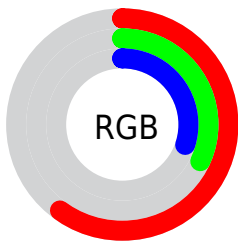
Format	Color
R _Y B	153, 82, 77
Decimal	10048077
CIE Lab	43.28, 28.93, 16.15
CIE LCh	43, 33.128, 29.171
Yxy	13.3427, 0.4428, 0.3377
Android (android.graphics.Color)	4288238157 (0xFF99524D)
YUV	102.6590, -12.6499, 44.1491
Hunter-Lab	36.5277, 21.5708, 11.4925

Details

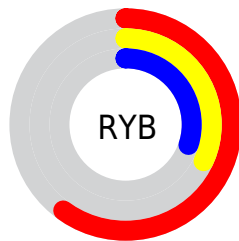
The Yxy color **13.3427, 0.4428, 0.3377** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.0595, 0.2474, 0.3196**, and the grayscale version is **13.4942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9831, 0.4095, 0.3381**, and **3.8505, 0.5069, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **11.2164, 0.4849, 0.3389**, and if you desaturate by 10%, it is **15.9703, 0.4060, 0.3361**.

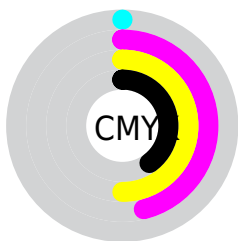
Distribution



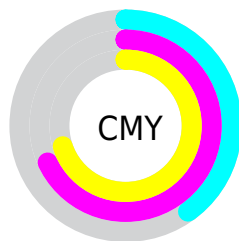
- Red (60%)
- Green (32%)
- Blue (30%)



- Red (60%)
- Yellow (32%)
- Blue (30%)



- Cyan (0%)
- Magenta (46%)
- Yellow (50%)
- Black (40%)





- Cyan (40%)
- Magenta (68%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3427, 0.4428, 0.3377 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 13.3427, 0.4428, 0.3377 by changing the saturation by 10% instead.


 13.3427, 0.4428,
0.3377

 13.3427, 0.4428,
0.3377


213.1025, 0.3638,
0.3355

 7.6650, 0.4690,
0.3364


 31.9181, 0.4098,
0.3379


 3.8813, 0.5074,
0.3326

 45.5845, 0.3988,
0.3376


 1.6074, 0.5772,
0.3269

 62.6827, 0.3900,
0.3372

 0.3626, 0.7466,
0.2534

 83.5969, 0.3828,
0.3368

 0.0000, 0.0000,
0.0000

 108.7116, 0.3769,
0.3365

138.4111, 0.3718,

0.3361

173.0800, 0.3675,
0.3358

■ 13.3427, 0.4428,
0.3377

■ 13.3427, 0.4428,
0.3377

■ 11.2164, 0.4849,
0.3389

■ 15.9703, 0.4060,
0.3361

■ 9.5576, 0.5300,
0.3393

■ 19.1260, 0.3751,
0.3342

■ 8.3316, 0.5735,
0.3385


■ 22.8373, 0.3497,
0.3324

■ 7.4980, 0.6091,
0.3364

■ 27.1291, 0.3290,
0.3306


■ 7.0033, 0.6335,
0.3347

■ 32.0249, 0.3122,
0.3290

 6.9923, 0.6341,
0.3347

 37.5467, 0.2986,
0.3274

 43.7157, 0.2875,
0.3261

 50.5517, 0.2783,
0.3248

 58.0740, 0.2708,
0.3237

Harmonies

Analogous

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



13.3427, 0.3944, 0.2878



13.3427, 0.4428, 0.3377



13.3427, 0.4500, 0.3903

Triad

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



13.3427, 0.4428, 0.3377



13.3427, 0.2902, 0.4351



13.3427, 0.2113, 0.2236

Complementary

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



13.3427, 0.4428, 0.3377



25.0595, 0.2474, 0.3196

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.



13.3427, 0.1910, 0.2470



13.3427, 0.4428, 0.3377



13.3427, 0.2321, 0.3703

Square

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



13.3427, 0.4428, 0.3377



13.3427, 0.3580, 0.4581



13.3427, 0.1976, 0.2982



13.3427, 0.2572, 0.2251

Rectangle

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



13.3427, 0.4428, 0.3377



13.3427, 0.4317, 0.4226



13.3427, 0.1976, 0.2982



13.3427, 0.2016, 0.2284

Sweetspot

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



13.3434, 0.4428, 0.3377



44.1326, 0.3401, 0.3316



14.2567, 0.3235, 0.2172



9.4254, 0.3442, 0.3319



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



13.3434, 0.4428, 0.3377



19.5857, 0.4916, 0.3390



20.4560, 0.4098, 0.3982



6.2848, 0.3282, 0.3305



5.7977, 0.6335, 0.3352



0.1019, 0.6037, 0.3589

Inverse Universe

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



25.0595, 0.2474, 0.3196



43.0845, 0.2370, 0.3171



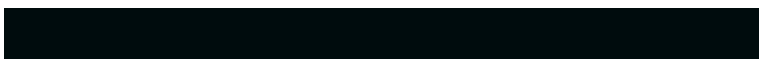
15.2904, 0.2336, 0.2461



6.9569, 0.2989, 0.3275



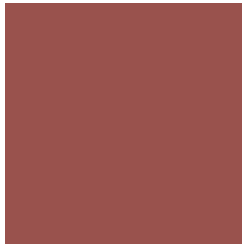
18.1370, 0.2191, 0.3088



0.2892, 0.2218, 0.3184

Previews

White Background



This preview shows how the Yxy color 13.3427, 0.4428, 0.3377 looks on a white background.

Color Contrast Check

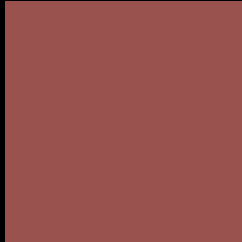
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3427, 0.4428, 0.3377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

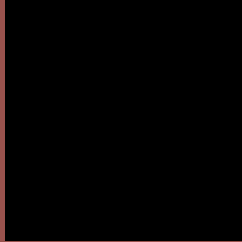
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3427, 0.4428, 0.3377

Background



This preview shows how black text looks on a background with the Yxy color 13.3427, 0.4428, 0.3377.



This preview shows how white text looks on a background with the Yxy color 13.3427, 0.4428, 0.3377.

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

13.3427, 0.4428, 0.3377

Protanopia

13.5768, 0.3420, 0.3640

Deuteranopia

13.3674, 0.3857, 0.3783



Tritanopia

13.4268, 0.4291, 0.3210

Trichromacy



Original Color

13.3427, 0.4428, 0.3377

Protanomaly

13.0940, 0.3771, 0.3536

Deuteranomaly

13.1488, 0.4065, 0.3619

Tritanomaly

13.3794, 0.4345, 0.3260

Monochromacy



Original Color

13.3427, 0.4428, 0.3377

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.0575, 0.3550, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3427, 0.4428, 0.3377 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(153, 82, 77)` looks like.

```
.text, #text, p{  
  color:rgb(153, 82, 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(153, 82, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 82, 77) }
```

Border

The CSS property to change the border of an element to Yxy 13.3427, 0.4428, 0.3377 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(153, 82, 77) }
```

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

```
.border{ border-color:rgb(153, 82, 77) }
```

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

Here you see how a box with a 4 pixel rgb(153, 82, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 82, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 82, 77);  
box-shadow:4px 4px 4px 4px rgb(153, 82,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3427, 0.4428, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 82, 77) }
```

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

```
.background{ background-color: rgb(153, 82,  
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](#).

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