

Converting Colors

$Y_{xy}(12.9459, 0.4419, 0.3755)$

Have a look what the booklet for
Yxy(12.9459, 0.4419, 0.3755)
contains.

Yxy(12.9027, 0.4421, 0.3759)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9027, 0.4421, 0.3759)

Conversions

Conversions Part 1

Format	Color
Hex	8C583E
RGB	140, 88, 62
RGB Percent	55%, 35%, 24%
CMY	0.4510, 0.6549, 0.7569
CMYK	0.00, 0.37, 0.56, 0.45
HSL	20°, 39%, 40%
HSV	20°, 56%, 55%
XYZ	15.1750, 12.9027, 6.2471
YIQ	100.5840, 39.3380, 2.9380

Conversions

Conversions Part 2

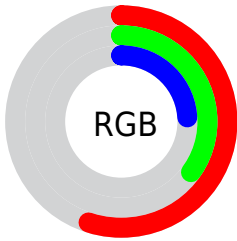
Format	Color
R_{YB}	140, 101, 62
Decimal	9197630
CIE _{Lab}	42.62, 18.59, 23.92
CIE _{LCh}	43, 30.299, 52.149
Yxy	12.9027, 0.4421, 0.3759
Android (android.graphics.Color)	4287387710 (0xFF8C583E)
YUV	100.5840, -19.0219, 34.5678
Hunter-Lab	35.9203, 12.5490, 14.8328

Details

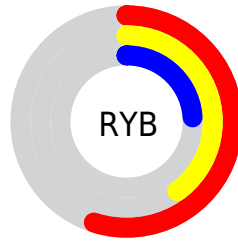
The Yxy color **12.9027, 0.4421, 0.3759** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.9518, 0.2328, 0.2733**, and the grayscale version is **12.9437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0385, 0.4097, 0.3668**, and **3.6814, 0.5014, 0.3859** is the 20% darker color. If you saturate the color by 10%, you get **11.3335, 0.4756, 0.3817**, and if you desaturate by 10%, it is **14.7090, 0.4112, 0.3682**.

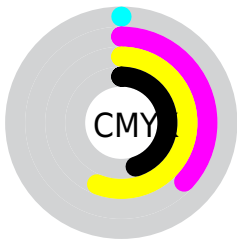
Distribution



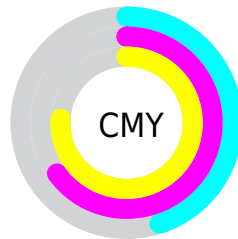
- Red (55%)
- Green (35%)
- Blue (24%)



- Red (55%)
- Yellow (40%)
- Blue (24%)



- Cyan (0%)
- Magenta (37%)
- Yellow (56%)
- Black (45%)





- Cyan (45%)
- Magenta (65%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9027, 0.4421, 0.3759 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 12.9027, 0.4421, 0.3759 by changing the saturation by 10% instead.


 12.9027, 0.4421,
0.3759


 12.9027, 0.4421,
0.3759


210.2931, 0.3638,
0.3512


 7.3616, 0.4675,
0.3811


 31.1289, 0.4096,
0.3671


 3.6892, 0.5038,
0.3858

 44.5827, 0.3987,
0.3637


 1.5013, 0.5916,
0.4084

 61.4429, 0.3899,
0.3608

 0.2896, 0.7157,
0.2843

 82.0939, 0.3828,
0.3583

 0.0000, 0.0000,
0.0000

 106.9200, 0.3768,
0.3562

 136.3056, 0.3718,

0.3543

170.6352, 0.3675,
0.3527

■ 12.9027, 0.4421,
0.3759

■ 12.9027, 0.4421,
0.3759

■ 11.3335, 0.4756,
0.3817

■ 14.7090, 0.4112,
0.3682

■ 9.9890, 0.5100,
0.3844

■ 16.7602, 0.3837,
0.3596

■ 8.8584, 0.5430,
0.3830

■ 19.0662, 0.3598,
0.3507

■ 7.9279, 0.5719,
0.3772

■ 21.6357, 0.3392,
0.3419

■ 7.5830, 0.5839,
0.3746

■ 24.4769, 0.3216,
0.3335

■ 27.5976, 0.3066,
0.3257

■ 31.0055, 0.2939,
0.3185

■ 34.7078, 0.2830,
0.3119

■ 38.7114, 0.2737,
0.3058

Harmonies

Analogous

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



12.9027, 0.4256, 0.3264



12.9027, 0.4421, 0.3759



12.9027, 0.4200, 0.4208

Triad

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



12.9027, 0.4421, 0.3759



12.9027, 0.2491, 0.3830



12.9027, 0.2491, 0.2295

Complementary

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



12.9027, 0.4421, 0.3759



14.9518, 0.2328, 0.2733

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.



12.9027, 0.2113, 0.2336



12.9027, 0.4421, 0.3759



12.9027, 0.2107, 0.3156

Square

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



12.9027, 0.4421, 0.3759



12.9027, 0.3070, 0.4354



12.9027, 0.1981, 0.2621



12.9027, 0.3076, 0.2467

Rectangle

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



12.9027, 0.4421, 0.3759



12.9027, 0.3887, 0.4415



12.9027, 0.1981, 0.2621



12.9027, 0.2339, 0.2284

Sweetspot

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



12.9033, 0.4421, 0.3759



37.3672, 0.3423, 0.3433



10.2355, 0.3632, 0.2387



8.4251, 0.3457, 0.3448



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



12.9033, 0.4421, 0.3759



19.3035, 0.4848, 0.3828



21.1033, 0.4016, 0.4397



5.3034, 0.3273, 0.3363



6.7708, 0.5830, 0.3753



0.0698, 0.5103, 0.4330

Inverse Universe

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



14.9518, 0.2328, 0.2733



23.2260, 0.2183, 0.2578



7.9492, 0.2146, 0.1847



5.4124, 0.2991, 0.3215



8.7267, 0.1943, 0.2194



0.0850, 0.2097, 0.2748

Previews

White Background



This preview shows how the Yxy color 12.9027, 0.4421, 0.3759 looks on a white background.

Color Contrast Check

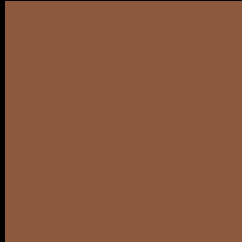
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9027, 0.4421, 0.3759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

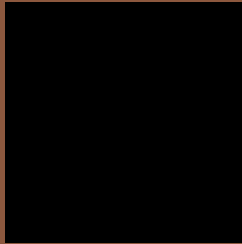
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9027, 0.4421, 0.3759

Background



This preview shows how black text looks on a background with the Yxy color 12.9027, 0.4421, 0.3759.



This preview shows how white text looks on a background with the Yxy color 12.9027, 0.4421, 0.3759.

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

12.9027, 0.4421, 0.3759

Protanopia

13.0276, 0.3744, 0.4032

Deuteranopia

12.9029, 0.4097, 0.4014



Tritanopia

12.8468, 0.3995, 0.3166

Trichromacy



Original Color

12.9027, 0.4421, 0.3759

Protanomaly

12.8123, 0.3992, 0.3927

Deuteranomaly

12.8328, 0.4209, 0.3912

Tritanomaly

12.7389, 0.4166, 0.3384

Monochromacy



Original Color

12.9027, 0.4421, 0.3759

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.6987, 0.3559, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9027, 0.4421, 0.3759 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(140, 88, 62)` looks like.

```
.text, #text, p{  
  color:rgb(140, 88, 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(140, 88, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 88, 62) }
```

Border

The CSS property to change the border of an element to Yxy 12.9027, 0.4421, 0.3759 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(140, 88, 62) }
```

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

```
.border{ border-color:rgb(140, 88, 62) }
```

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

Here you see how a box with a 4 pixel rgb(140, 88, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 88, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 88, 62);  
box-shadow:4px 4px 4px 4px rgb(140, 88,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9027, 0.4421, 0.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 88, 62) }
```

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

```
.background{ background-color: rgb(140, 88,  
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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