

Converting Colors

$Y_{xy}(16.1965, 0.4204, 0.4034)$

Have a look what the booklet for
Yxy(16.1965, 0.4204, 0.4034)
contains.

Yxy(16.2537, 0.4198, 0.4039) 3

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Color

Yxy(16.2537, 0.4198, 0.4039)

Conversions

Conversions Part 1	
Format	Color
Hex	8C6A40
RGB	140, 106, 64
RGB Percent	55%, 42%, 25%
CMY	0.4510, 0.5843, 0.7491
CMYK	0.00, 0.24, 0.54, 0.45
HSL	33°, 37%, 40%
HSV	33°, 54%, 55%
XYZ	16.8935, 16.2537, 7.0946
YIQ	111.3780, 33.7460, -5.8540

Conversions

Conversions Part 2

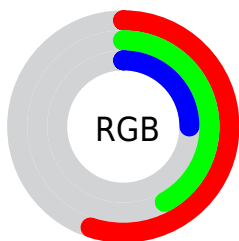
Format	Color
RYB	126, 140, 64
Decimal	9202240
CIELab	47.31, 8.25, 28.67
CIELCh	47, 29.833, 73.936
Yxy	16.2537, 0.4198, 0.4039
Android (android.graphics.Color)	4287392320 (0xFF8C6A40)
YUV	111.3780, -23.3574, 25.1015
Hunter-Lab	40.3159, 4.2440, 17.7875

Details

The Yxy color **16.2537, 0.4198, 0.4039** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.7124, 0.2269, 0.2371**, and the grayscale version is **16.0738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0420, 0.3953, 0.3874**, and **5.2012, 0.4624, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **14.8711, 0.4443, 0.4149**, and if you desaturate by 10%, it is **17.7721, 0.3961, 0.3909**.

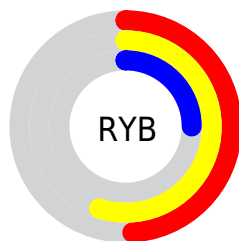
Distribution



Red (55%)

Green (42%)

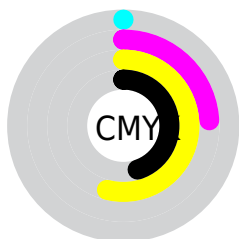
Blue (25%)



Red (49%)

Yellow (55%)

Blue (25%)

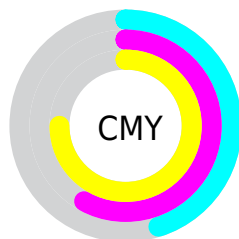


Cyan (0%)

Magenta (24%)

Yellow (54%)

Black (45%)



Cyan (45%)


Magenta (58%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2537, 0.4198, 0.4039 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 16.2537, 0.4198, 0.4039 by changing the saturation by 10% instead.


 16.2537, 0.4198,
0.4039


 16.2537, 0.4198,
0.4039


230.8341, 0.3577,
0.3626

 9.7039, 0.4382,
0.4147


 37.0381, 0.3950,
0.3882


 5.2030, 0.4631,
0.4279


 52.0414, 0.3864,
0.3825


 2.3669, 0.5207,
0.4633

 70.6314, 0.3793,
0.3777

 0.8088, 0.5471,
0.4529

 93.1923, 0.3735,
0.3737

 0.0000, 0.0000,
0.0000

 120.1087, 0.3686,
0.3703


 151.7648, 0.3644,


0.3674


188.5452, 0.3608,
0.3648


 16.2537, 0.4198,
0.4039


 16.2537, 0.4198,
0.4039


 14.8711, 0.4443,
0.4149

 17.7721, 0.3961,
0.3909


 13.6169, 0.4685,
0.4228


 19.4285, 0.3740,
0.3767


 12.4863, 0.4913,
0.4264

 21.2282, 0.3537,
0.3623

 11.4727, 0.5113,
0.4251

 23.1753, 0.3354,
0.3482

 10.9387, 0.5224,
0.4234

 25.2738, 0.3191,
0.3346

■ 27.5273, 0.3047,
0.3218

■ 29.9394, 0.2920,
0.3099

■ 32.5137, 0.2808,
0.2989

■ 35.2534, 0.2710,
0.2887

Harmonies

Analogous

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



16.2537, 0.4303, 0.3607



16.2537, 0.4198, 0.4039



16.2537, 0.3799, 0.4331

Triad

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



16.2537, 0.4198, 0.4039



16.2537, 0.2265, 0.3336



16.2537, 0.2922, 0.2469

Complementary

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



16.2537, 0.4198, 0.4039



11.7124, 0.2269, 0.2371

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.



16.2537, 0.2427, 0.2362



16.2537, 0.4198, 0.4039



16.2537, 0.2078, 0.2796

Square

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



16.2537, 0.4198, 0.4039



16.2537, 0.2681, 0.3935



16.2537, 0.2136, 0.2464



16.2537, 0.3526, 0.2749

Rectangle

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



16.2537, 0.4198, 0.4039



16.2537, 0.3436, 0.4366



16.2537, 0.2136, 0.2464



16.2537, 0.2739, 0.2412

Sweetspot

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



16.2545, 0.4198, 0.4039



40.1408, 0.3390, 0.3510



10.1252, 0.3936, 0.2682



9.1051, 0.3422, 0.3536



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.



16.2545, 0.4198, 0.4039



25.7438, 0.4493, 0.4169



24.3749, 0.3841, 0.4570



5.4769, 0.3268, 0.3411



9.7601, 0.5218, 0.4239



0.0941, 0.4681, 0.4665

Inverse Universe

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



11.7124, 0.2269, 0.2371



16.8949, 0.2091, 0.2120



6.7793, 0.2160, 0.1639



5.2364, 0.2991, 0.3166



4.8402, 0.1737, 0.1453



0.0607, 0.1961, 0.2258

Previews

White Background



This preview shows how the Yxy color 16.2537, 0.4198, 0.4039 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 16.2537, 0.4198, 0.4039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

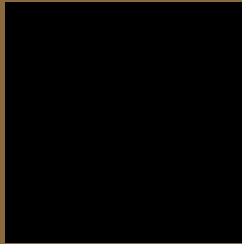
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2537, 0.4198, 0.4039

Background



This preview shows how black text looks on a background with the Yxy color 16.2537, 0.4198, 0.4039.



This preview shows how white text looks on a background with the Yxy color 16.2537, 0.4198, 0.4039.

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

16.2537, 0.4198, 0.4039

Protanopia

16.1926, 0.3869, 0.4192

Deuteranopia

16.2039, 0.4144, 0.4070



Tritanopia

16.3194, 0.3661, 0.3167

Trichromacy



Original Color
16.2537, 0.4198, 0.4039

Protanomaly
16.2006, 0.3986, 0.4144

Deuteranomaly
16.2888, 0.4159, 0.4065

Tritanomaly
16.3128, 0.3874, 0.3490

Monochromacy



Original Color
16.2537, 0.4198, 0.4039

Achromatopsia
15.8961, 0.3127, 0.3290

Achromatomaly
15.8830, 0.3507, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2537, 0.4198, 0.4039 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, 106, 64) looks like.

```
.text, #text, p{  
    color:rgb(140, 106, 64)  
}
```

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, 106, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 106, 64) }
```

Border

The CSS property to change the border of an element to Yxy 16.2537, 0.4198, 0.4039 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, 106, 64) }
```

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

```
.border{ border-color:rgb(140, 106, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 106, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 106, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 106, 64);  
box-shadow:4px 4px 4px 4px rgb(140, 106,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2537, 0.4198, 0.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 106, 64) }
```

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

```
.background{ background-color: rgb(140,  
106, 64) }
```

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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