

Converting Colors

$Y_{xy}(16.4002, 0.4100, 0.4033)$

Have a look what the booklet for
Yxy(16.4002, 0.4100, 0.4033)
contains.

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Color

Yxy(16.4487, 0.4097, 0.4037)

Conversions

Conversions Part 1

Format	Color
Hex	896C43
RGB	137, 108, 67
RGB Percent	54%, 42%, 26%
CMY	0.4627, 0.5765, 0.7373
CMYK	0.00, 0.21, 0.51, 0.46
HSL	35°, 34%, 40%
HSV	35°, 51%, 54%
XYZ	16.6932, 16.4487, 7.6030
YIQ	111.9970, 30.4450, -6.6030

Conversions

Conversions Part 2

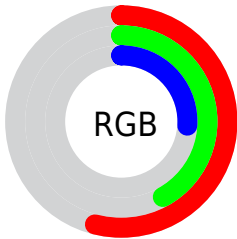
Format	Color
R_{YB}	117, 137, 67
Decimal	9006147
CIE Lab	47.56, 6.05, 27.22
CIE LCh	48, 27.889, 77.467
Yxy	16.4487, 0.4097, 0.4037
Android (android.graphics.Color)	4287196227 (0xFF896C43)
YUV	111.9970, -22.1835, 21.9276
Hunter-Lab	40.5570, 2.4955, 17.2751

Details

The Yxy color **16.4487, 0.4097, 0.4037** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.3645, 0.2311, 0.2384**, and the grayscale version is **16.2622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2637, 0.3872, 0.3869**, and **5.3267, 0.4491, 0.4302** is the 20% darker color. If you saturate the color by 10%, you get **15.1454, 0.4328, 0.4162**, and if you desaturate by 10%, it is **17.8704, 0.3874, 0.3895**.

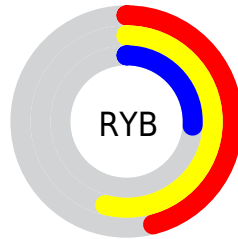
Distribution



Red (54%)

Green (42%)

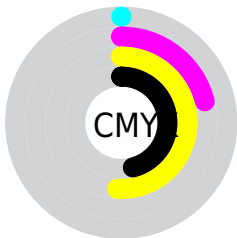
Blue (26%)



Red (46%)

Yellow (54%)

Blue (26%)

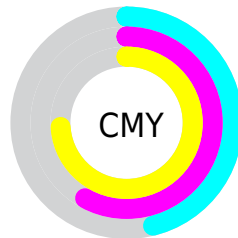


Cyan (0%)

Magenta (21%)

Yellow (51%)

Black (46%)



Cyan (46%)


Magenta (58%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4487, 0.4097, 0.4037 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 16.4487, 0.4097, 0.4037 by changing the saturation by 10% instead.


 16.4487, 0.4097,
0.4037


 16.4487, 0.4097,
0.4037


231.9750, 0.3535,
0.3619


 9.8422, 0.4264,
0.4151


 37.3754, 0.3873,
0.3876


 5.2945, 0.4491,
0.4297

 52.4645, 0.3795,
0.3818

 2.4211, 0.4970,
0.4624

 71.1498, 0.3731,
0.3770

 0.8367, 0.5309,
0.4691

 93.8159, 0.3678,
0.3730

 0.0000, 0.0000,
0.0000

 120.8470, 0.3634,
0.3696

152.6277, 0.3596,

0.3667

189.5422, 0.3564,
0.3641

■ 16.4487, 0.4097,
0.4037

■ 16.4487, 0.4097,
0.4037

■ 15.1454, 0.4328,
0.4162

■ 17.8704, 0.3874,
0.3895

■ 13.9540, 0.4558,
0.4259

■ 19.4122, 0.3665,
0.3745

■ 12.8706, 0.4777,
0.4317

■ 21.0785, 0.3472,
0.3594

■ 11.8898, 0.4971,
0.4327

■ 22.8728, 0.3299,
0.3446

■ 11.0929, 0.5130,
0.4309

■ 24.7984, 0.3143,
0.3305

■ 26.8586, 0.3005,
0.3173

■ 29.0563, 0.2883,
0.3049

■ 31.3945, 0.2775,
0.2936

■ 33.8761, 0.2679,
0.2831

Harmonies

Analogous

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



16.4487, 0.4229, 0.3644



16.4487, 0.4097, 0.4037



16.4487, 0.3703, 0.4276

Triad

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



16.4487, 0.4097, 0.4037



16.4487, 0.2288, 0.3271



16.4487, 0.3002, 0.2542

Complementary

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



16.4487, 0.4097, 0.4037



11.3645, 0.2311, 0.2384

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.



16.4487, 0.2519, 0.2421



16.4487, 0.4097, 0.4037



16.4487, 0.2137, 0.2785

Square

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



16.4487, 0.4097, 0.4037



16.4487, 0.2658, 0.3828



16.4487, 0.2218, 0.2495



16.4487, 0.3565, 0.2823

Rectangle

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



16.4487, 0.4097, 0.4037



16.4487, 0.3356, 0.4277



16.4487, 0.2218, 0.2495



16.4487, 0.2825, 0.2482

Sweetspot

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



16.4495, 0.4097, 0.4037



39.5691, 0.3370, 0.3508



10.1795, 0.3911, 0.2756



8.7443, 0.3401, 0.3535



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.4495, 0.4097, 0.4037



26.8435, 0.4357, 0.4175



23.1388, 0.3776, 0.4516



5.5033, 0.3267, 0.3418



10.3552, 0.5126, 0.4312



0.0978, 0.4632, 0.4704

Inverse Universe

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



11.3645, 0.2311, 0.2384



16.7213, 0.2135, 0.2140



7.2287, 0.2254, 0.1760



5.2105, 0.2991, 0.3159



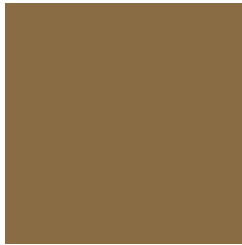
4.4087, 0.1709, 0.1353



0.0570, 0.1937, 0.2171

Previews

White Background



This preview shows how the Yxy color 16.4487, 0.4097, 0.4037 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 16.4487, 0.4097, 0.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

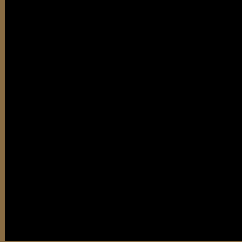
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4487, 0.4097, 0.4037

Background



This preview shows how black text looks on a background with the Yxy color 16.4487, 0.4097, 0.4037.



This preview shows how white text looks on a background with the Yxy color 16.4487, 0.4097, 0.4037.

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

16.4487, 0.4097, 0.4037

Protanopia

16.5250, 0.3839, 0.4149

Deuteranopia

16.4487, 0.4097, 0.4037



Tritanopia

16.5109, 0.3566, 0.3148

Trichromacy



Original Color

16.4487, 0.4097, 0.4037

Protanomaly

16.4534, 0.3941, 0.4108

Deuteranomaly

16.4487, 0.4097, 0.4037

Tritanomaly

16.5048, 0.3775, 0.3474

Monochromacy



Original Color

16.4487, 0.4097, 0.4037

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.2784, 0.3458, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4487, 0.4097, 0.4037 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(137, 108, 67)` looks like.

```
.text, #text, p{  
    color:rgb(137, 108, 67)  
}
```

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(137, 108, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 108, 67) }
```

Border

The CSS property to change the border of an element to Yxy 16.4487, 0.4097, 0.4037 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(137, 108, 67) }
```

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

```
.border{ border-color:rgb(137, 108, 67) }
```

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

Here you see how a box with a 4 pixel rgb(137, 108, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 108, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 108, 67);  
box-shadow:4px 4px 4px 4px rgb(137, 108,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4487, 0.4097, 0.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 108, 67) }
```

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

```
.background{ background-color: rgb(137,  
108, 67) }
```

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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