

Converting Colors

$Y_{xy}(16.7844, 0.4282, 0.4097)$

Have a look what the booklet for
Yxy(16.7844, 0.4282, 0.4097)
contains.

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Color

Yxy(16.7709, 0.4294, 0.4097)

Conversions

Conversions Part 1

Format	Color
Hex	906B3C
RGB	144, 107, 60
RGB Percent	56%, 42%, 24%
CMY	0.4352, 0.5804, 0.7647
CMYK	0.00, 0.26, 0.58, 0.44
HSL	34°, 41%, 40%
HSV	34°, 58%, 56%
XYZ	17.5773, 16.7709, 6.5864
YIQ	112.7050, 37.1390, -6.7730

Conversions

Conversions Part 2

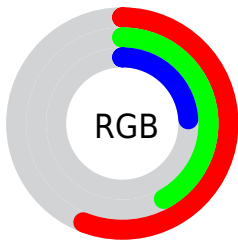
Format	Color
R_{YB}	126, 144, 60
Decimal	9464636
CIE _{Lab}	47.97, 9.13, 31.78
CIE _{LCh}	48, 33.069, 73.967
Yxy	16.7709, 0.4294, 0.4097
Android (android.graphics.Color)	4287654716 (0xFF906B3C)
YUV	112.7050, -25.9836, 27.4457
Hunter-Lab	40.9523, 4.9483, 19.1310

Details

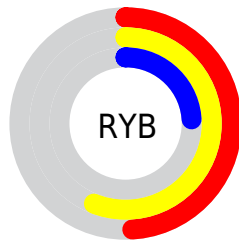
The Yxy color **16.7709, 0.4294, 0.4097** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.5296, 0.2203, 0.2273**, and the grayscale version is **16.4925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8372, 0.4027, 0.3926**, and **5.4876, 0.4749, 0.4336** is the 20% darker color. If you saturate the color by 10%, you get **15.3644, 0.4537, 0.4197**, and if you desaturate by 10%, it is **18.3176, 0.4054, 0.3972**.

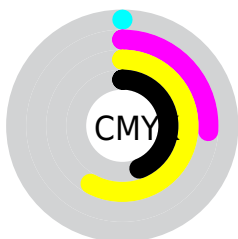
Distribution



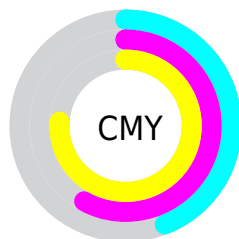
- Red (56%)
- Green (42%)
- Blue (24%)



- Red (49%)
- Yellow (56%)
- Blue (24%)



- Cyan (0%)
- Magenta (26%)
- Yellow (58%)
- Black (44%)





- Cyan (44%)
- Magenta (58%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7709, 0.4294, 0.4097 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 16.7709, 0.4294, 0.4097 by changing the saturation by 10% instead.


 16.7709, 0.4294,
0.4097


 16.7709, 0.4294,
0.4097


233.8487, 0.3623,
0.3659


 10.0713, 0.4487,
0.4206


 37.9315, 0.4030,
0.3934


 5.4462, 0.4743,
0.4333

 53.1612, 0.3936,
0.3873


 2.5114, 0.5326,
0.4674

 72.0031, 0.3860,
0.3823

 0.8823, 0.5507,
0.4493

 94.8415, 0.3796,
0.3780

 0.0000, 1.0000,
0.0000

 122.0609, 0.3743,
0.3743

 0.0000, 0.0000,
0.0000

 154.0456, 0.3697,

0.3711

191.1801, 0.3658,
0.3683

■ 16.7709, 0.4294,
0.4097

■ 16.7709, 0.4294,
0.4097

■ 15.3644, 0.4537,
0.4197

■ 18.3176, 0.4054,
0.3972

■ 14.0903, 0.4773,
0.4260

■ 20.0072, 0.3827,
0.3832

■ 12.9430, 0.4987,
0.4277

■ 21.8452, 0.3617,
0.3687

■ 11.9120, 0.5177,
0.4251

■ 23.8360, 0.3426,
0.3542

■ 11.7494, 0.5209,
0.4246

■ 25.9839, 0.3255,
0.3402

■ 28.2929, 0.3103,
0.3268

■ 30.7668, 0.2969,
0.3144

■ 33.4093, 0.2851,
0.3028

■ 36.2240, 0.2747,
0.2922

Harmonies

Analogous

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



16.7709, 0.4416, 0.3624



16.7709, 0.4294, 0.4097



16.7709, 0.3854, 0.4428

Triad

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



16.7709, 0.4294, 0.4097



16.7709, 0.2187, 0.3335



16.7709, 0.2901, 0.2401

Complementary

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



16.7709, 0.4294, 0.4097



11.5296, 0.2203, 0.2273

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.



16.7709, 0.2365, 0.2284



16.7709, 0.4294, 0.4097



16.7709, 0.1989, 0.2743

Square

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



16.7709, 0.4294, 0.4097



16.7709, 0.2635, 0.4003



16.7709, 0.2052, 0.2389



16.7709, 0.3563, 0.2702

Rectangle

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



16.7709, 0.4294, 0.4097



16.7709, 0.3456, 0.4477



16.7709, 0.2052, 0.2389



16.7709, 0.2701, 0.2339

Sweetspot

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



16.7717, 0.4294, 0.4097



42.0172, 0.3427, 0.3542



10.0416, 0.4031, 0.2643



9.4162, 0.3475, 0.3581



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



16.7717, 0.4294, 0.4097



26.3708, 0.4612, 0.4221



25.8377, 0.3885, 0.4652



5.8929, 0.3269, 0.3413



10.2763, 0.5202, 0.4252



0.1423, 0.4671, 0.4673

Inverse Universe

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



11.5296, 0.2203, 0.2273



16.2578, 0.2017, 0.1995



6.3435, 0.2077, 0.1500



5.6216, 0.2990, 0.3164



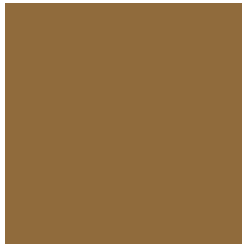
4.9390, 0.1731, 0.1430



0.0899, 0.1956, 0.2241

Previews

White Background



This preview shows how the Yxy color 16.7709, 0.4294, 0.4097 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 16.7709, 0.4294, 0.4097 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 16.7709, 0.4294, 0.4097

Background



This preview shows how black text looks on a background with the Yxy color 16.7709, 0.4294, 0.4097.



This preview shows how white text looks on a background with the Yxy color 16.7709, 0.4294, 0.4097.

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

16.7709, 0.4294, 0.4097

Protanopia

16.8180, 0.3942, 0.4280

Deuteranopia

16.8390, 0.4216, 0.4151



Tritanopia

16.7074, 0.3704, 0.3153

Trichromacy



Original Color

16.7709, 0.4294, 0.4097

Protanomaly

16.6923, 0.4083, 0.4207

Deuteranomaly

16.7141, 0.4240, 0.4130

Tritanomaly

16.6589, 0.3947, 0.3503

Monochromacy



Original Color

16.7709, 0.4294, 0.4097

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.4621, 0.3528, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7709, 0.4294, 0.4097 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(144, 107, 60)` looks like.

```
.text, #text, p{  
    color:rgb(144, 107, 60)  
}
```

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(144, 107, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 107, 60) }
```

Border

The CSS property to change the border of an element to Yxy 16.7709, 0.4294, 0.4097 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(144, 107, 60) }
```

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

```
.border{ border-color:rgb(144, 107, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 107, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 107, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 107, 60);  
box-shadow:4px 4px 4px 4px rgb(144, 107,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7709, 0.4294, 0.4097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 107, 60) }
```

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

```
.background{ background-color: rgb(144,  
107, 60) }
```

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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