

Converting Colors

$Y_{xy}(16.7971, 0.4241, 0.3717)$

Have a look what the booklet for
Yxy(16.7971, 0.4241, 0.3717)
contains.

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Color

Yxy(16.8109, 0.4245, 0.3712)

Conversions

Conversions Part 1

Format	Color
Hex	99664D
RGB	153, 102, 77
RGB Percent	60%, 40%, 30%
CMY	0.4001, 0.5999, 0.6980
CMYK	0.00, 0.33, 0.50, 0.40
HSL	20°, 33%, 45%
HSV	20°, 50%, 60%
XYZ	19.2247, 16.8109, 9.2523
YIQ	114.3990, 38.4210, 3.0370

Conversions

Conversions Part 2

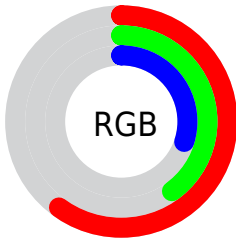
Format	Color
R_{YB}	153, 114, 77
Decimal	10053197
CIE _{Lab}	48.02, 17.55, 22.45
CIE _{LCh}	48, 28.498, 51.988
Yxy	16.8109, 0.4245, 0.3712
Android (android.graphics.Color)	4288243277 (0xFF99664D)
YUV	114.3990, -18.4377, 33.8531
Hunter-Lab	41.0011, 11.9438, 15.3213

Details

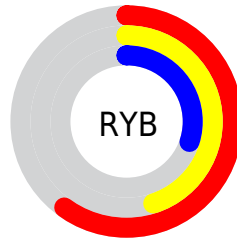
The Yxy color **16.8109, 0.4245, 0.3712** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.3054, 0.2401, 0.2806**, and the grayscale version is **17.0017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8441, 0.3980, 0.3633**, and **5.4893, 0.4726, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **14.7265, 0.4571, 0.3781**, and if you desaturate by 10%, it is **19.1975, 0.3952, 0.3629**.

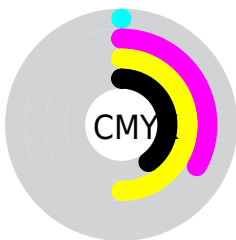
Distribution



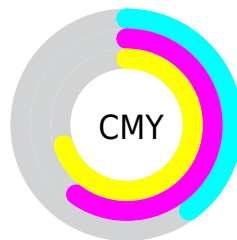
- Red (60%)
- Green (40%)
- Blue (30%)



- Red (60%)
- Yellow (45%)
- Blue (30%)



- Cyan (0%)
- Magenta (33%)
- Yellow (50%)
- Black (40%)





- Cyan (40%)
- Magenta (60%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8109, 0.4245, 0.3712 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 16.8109, 0.4245, 0.3712 by changing the saturation by 10% instead.


 16.8109, 0.4245,
0.3712


 16.8109, 0.4245,
0.3712


234.0803, 0.3590,
0.3493


 10.0998, 0.4447,
0.3762


 38.0004, 0.3980,
0.3633


 5.4652, 0.4731,
0.3817

 53.2475, 0.3889,
0.3603


 2.5227, 0.5185,
0.3886

 72.1087, 0.3815,
0.3577

 0.8880, 0.6032,
0.3968

 94.9684, 0.3754,
0.3555

 0.0000, 1.0000,
0.0000

 122.2110, 0.3703,
0.3536

 0.0000, 0.0000,
0.0000

154.2210, 0.3660,

0.3520

191.3826, 0.3622,
0.3505

■ 16.8109, 0.4245,
0.3712

■ 16.8109, 0.4245,
0.3712

■ 14.7265, 0.4571,
0.3781

■ 19.1975, 0.3952,
0.3629

■ 12.9291, 0.4917,
0.3826

■ 21.8956, 0.3694,
0.3541

■ 11.4058, 0.5263,
0.3836

■ 24.9174, 0.3472,
0.3453

■ 10.1414, 0.5580,
0.3800

■ 28.2734, 0.3283,
0.3367

■ 9.1137, 0.5854,
0.3729

■ 31.9737, 0.3122,
0.3287

■ 9.0830, 0.5863,
0.3727

■ 36.0280, 0.2986,
0.3213

■ 40.4456, 0.2869,
0.3145

■ 45.2353, 0.2770,
0.3083

■ 50.4059, 0.2685,
0.3026

Harmonies

Analogous

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



16.8109, 0.4096, 0.3275



16.8109, 0.4245, 0.3712



16.8109, 0.4064, 0.4096

Triad

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



16.8109, 0.4245, 0.3712



16.8109, 0.2582, 0.3755



16.8109, 0.2574, 0.2417

Complementary

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



16.8109, 0.4245, 0.3712



19.3054, 0.2401, 0.2806

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.



16.8109, 0.2238, 0.2460



16.8109, 0.4245, 0.3712



16.8109, 0.2239, 0.3186

Square

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



16.8109, 0.4245, 0.3712



16.8109, 0.3090, 0.4194



16.8109, 0.2122, 0.2719



16.8109, 0.3084, 0.2566

Rectangle

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



16.8109, 0.4245, 0.3712



16.8109, 0.3797, 0.4264



16.8109, 0.2122, 0.2719



16.8109, 0.2439, 0.2408

Sweetspot

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



16.8117, 0.4245, 0.3712



47.1909, 0.3386, 0.3415



13.6606, 0.3542, 0.2451



10.1688, 0.3423, 0.3431



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.



16.8117, 0.4245, 0.3712



25.8598, 0.4622, 0.3790



25.7854, 0.3936, 0.4280



6.5384, 0.3275, 0.3364



7.5651, 0.5850, 0.3737



0.1748, 0.5127, 0.4311

Inverse Universe

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



19.3054, 0.2401, 0.2806



30.8109, 0.2259, 0.2669



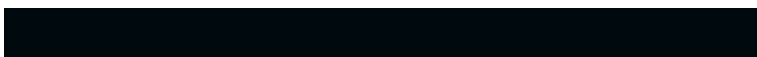
11.3469, 0.2258, 0.2043



6.6836, 0.2989, 0.3215



9.9191, 0.1945, 0.2202



0.2141, 0.2093, 0.2734

Previews

White Background



This preview shows how the Yxy color 16.8109, 0.4245, 0.3712 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 16.8109, 0.4245, 0.3712 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 16.8109, 0.4245, 0.3712

Background



This preview shows how black text looks on a background with the Yxy color 16.8109, 0.4245, 0.3712.



This preview shows how white text looks on a background with the Yxy color 16.8109, 0.4245, 0.3712.

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

16.8109, 0.4245, 0.3712

Protanopia

16.8548, 0.3656, 0.3922

Deuteranopia

16.7774, 0.3970, 0.3898



Tritanopia

16.7445, 0.3864, 0.3158

Trichromacy



Original Color

16.8109, 0.4245, 0.3712

Protanomaly

16.7994, 0.3866, 0.3853

Deuteranomaly

16.6695, 0.4082, 0.3826

Tritanomaly

16.6199, 0.4014, 0.3360

Monochromacy



Original Color

16.8109, 0.4245, 0.3712

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.6806, 0.3495, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8109, 0.4245, 0.3712 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, 102, 77)` looks like.

```
.text, #text, p{  
    color:rgb(153, 102, 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, 102, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 102, 77) }
```

Border

The CSS property to change the border of an element to Yxy 16.8109, 0.4245, 0.3712 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, 102, 77) }
```

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

```
.border{ border-color:rgb(153, 102, 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, 102, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 102, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 102, 77);  
box-shadow:4px 4px 4px 4px rgb(153, 102,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8109, 0.4245, 0.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 102, 77) }
```

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

```
.background{ background-color: rgb(153,  
102, 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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