

Converting Colors

$Y_{xy}(16.7666, 0.4176, 0.3610)$

Have a look what the booklet for
Yxy(16.7666, 0.4176, 0.3610)
contains.

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Color

Yxy(16.6889, 0.4181, 0.3613)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 996552 |
| RGB | 153, 101, 82 |
| RGB Percent | 60%, 40%, 32% |
| CMY | 0.4000, 0.6039, 0.6784 |
| CMYK | 0.00, 0.34, 0.46, 0.40 |
| HSL | 16°, 30%, 46% |
| HSV | 16°, 46%, 60% |
| XYZ | 19.3126, 16.6889, 10.1898 |
| YIQ | 114.3820, 37.0910, 5.1150 |

Conversions

Conversions Part 2

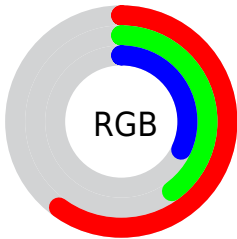
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 153, 108, 82 |
| Decimal | 10052946 |
| CIE _{Lab} | 47.87, 18.67, 19.31 |
| CIE _{LCh} | 48, 26.857, 45.974 |
| Yxy | 16.6889, 0.4181, 0.3613 |
| Android (android.graphics.Color) | 4288243026 (0xFF996552) |
| YUV | 114.3820, -15.9643, 33.8680 |
| Hunter-Lab | 40.8521, 12.8937, 13.8076 |

Details

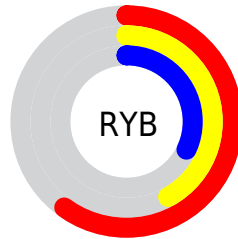
The Yxy color **16.6889, 0.4181, 0.3613** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.1444, 0.2460, 0.2930**, and the grayscale version is **16.9895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6777, 0.3923, 0.3545**, and **5.4246, 0.4637, 0.3700** is the 20% darker color. If you saturate the color by 10%, you get **14.4523, 0.4518, 0.3673**, and if you desaturate by 10%, it is **19.2758, 0.3884, 0.3544**.

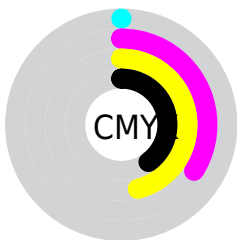
Distribution



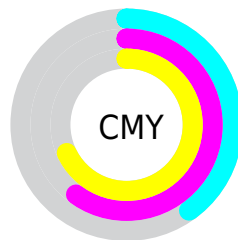
- Red (60%)
- Green (40%)
- Blue (32%)



- Red (60%)
- Yellow (42%)
- Blue (32%)



- Cyan (0%)
- Magenta (34%)
- Yellow (46%)
- Black (40%)





- Cyan (40%)
- Magenta (60%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6889, 0.4181, 0.3613 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 16.6889, 0.4181, 0.3613 by changing the saturation by 10% instead.


 16.6889, 0.4181,
0.3613


 16.6889, 0.4181,
0.3613

233.3732, 0.3561,
0.3447


 10.0129, 0.4375,
0.3650


 37.7901, 0.3929,
0.3554


 5.4075, 0.4651,
0.3690

 52.9841, 0.3843,
0.3531

 2.4883, 0.5076,
0.3722

 71.7863, 0.3773,
0.3512

 0.8708, 0.6105,
0.3895

 94.5810, 0.3716,
0.3495

 0.0000, 1.0000,
0.0000

 121.7527, 0.3667,
0.3481

 0.0000, 0.0000,
0.0000

153.6857, 0.3627,

0.3468

190.7644, 0.3591,
0.3457

■ 16.6889, 0.4181,
0.3613

■ 16.6889, 0.4181,
0.3613

■ 14.4523, 0.4518,
0.3673

■ 19.2758, 0.3884,
0.3544

■ 12.5481, 0.4886,
0.3714

■ 22.2251, 0.3628,
0.3471

■ 10.9604, 0.5263,
0.3725


■ 25.5509, 0.3411,
0.3399


■ 9.6712, 0.5617,
0.3697

■ 29.2664, 0.3228,
0.3331


■ 8.6587, 0.5914,
0.3631

■ 33.3836, 0.3075,
0.3268

 8.3525, 0.6014,
0.3607

 37.9143, 0.2946,
0.3209

 42.8697, 0.2837,
0.3155

 48.2605, 0.2745,
0.3107

 54.0973, 0.2666,
0.3062

Harmonies

Analogous

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



16.6889, 0.3977, 0.3197



16.6889, 0.4181, 0.3613



16.6889, 0.4072, 0.3994

Triad

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



16.6889, 0.4181, 0.3613



16.6889, 0.2700, 0.3828



16.6889, 0.2524, 0.2452

Complementary

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



16.6889, 0.4181, 0.3613



21.1444, 0.2460, 0.2930

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.



16.6889, 0.2243, 0.2536



16.6889, 0.4181, 0.3613



16.6889, 0.2334, 0.3300

Square

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



16.6889, 0.4181, 0.3613



16.6889, 0.3200, 0.4188



16.6889, 0.2176, 0.2826



16.6889, 0.2982, 0.2560

Rectangle

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



16.6889, 0.4181, 0.3613



16.6889, 0.3849, 0.4175



16.6889, 0.2176, 0.2826



16.6889, 0.2408, 0.2458

Sweetspot

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



16.6897, 0.4181, 0.3613



47.1128, 0.3370, 0.3385



14.5318, 0.3451, 0.2451



10.1228, 0.3408, 0.3399



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.



16.6897, 0.4181, 0.3613



25.6220, 0.4544, 0.3676



25.1102, 0.3906, 0.4169



6.4782, 0.3277, 0.3350



6.9533, 0.6001, 0.3617



0.1577, 0.5287, 0.4184

Inverse Universe

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



21.1444, 0.2460, 0.2930



34.5823, 0.2331, 0.2830



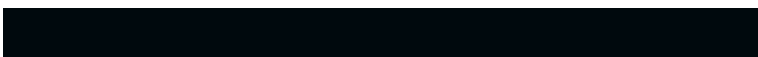
12.9384, 0.2334, 0.2212



6.7468, 0.2989, 0.3229



11.5465, 0.2005, 0.2418



0.2311, 0.2125, 0.2849

Previews

White Background



This preview shows how the Yxy color 16.6889, 0.4181, 0.3613 looks on a white background.

Color Contrast Check

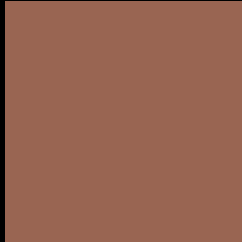
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6889, 0.4181, 0.3613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

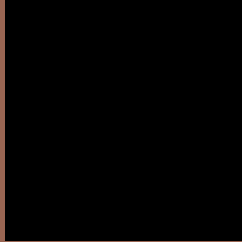
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6889, 0.4181, 0.3613

Background



This preview shows how black text looks on a background with the Yxy color 16.6889, 0.4181, 0.3613.



This preview shows how white text looks on a background with the Yxy color 16.6889, 0.4181, 0.3613.

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

16.6889, 0.4181, 0.3613

Protanopia

16.8768, 0.3565, 0.3806

Deuteranopia

16.7507, 0.3902, 0.3829



Tritanopia

16.7238, 0.3879, 0.3175

Trichromacy



Original Color

16.6889, 0.4181, 0.3613

Protanomaly

16.5957, 0.3777, 0.3726

Deuteranomaly

16.6529, 0.3998, 0.3742

Tritanomaly

16.6568, 0.3983, 0.3326

Monochromacy



Original Color

16.6889, 0.4181, 0.3613

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.4858, 0.3485, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6889, 0.4181, 0.3613 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, 101, 82)` looks like.

```
.text, #text, p{  
    color:rgb(153, 101, 82)  
}
```

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, 101, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 101, 82) }
```

Border

The CSS property to change the border of an element to Yxy 16.6889, 0.4181, 0.3613 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, 101, 82) }
```

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

```
.border{ border-color:rgb(153, 101, 82) }
```

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

Here you see how a box with a 4 pixel rgb(153, 101, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 101, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 101, 82);  
box-shadow:4px 4px 4px 4px rgb(153, 101,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6889, 0.4181, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 101, 82) }
```

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

```
.background{ background-color: rgb(153,  
101, 82) }
```

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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