

Converting Colors

$Y_{xy}(16.5976, 0.4402, 0.4507)$

Have a look what the booklet for
Yxy(16.5976, 0.4402, 0.4507)
contains.

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Color

Yxy(16.5976, 0.4402, 0.4507)

Conversions

Conversions Part 1

Format	Color
Hex	896E24
RGB	137, 110, 36
RGB Percent	54%, 43%, 14%
CMY	0.4627, 0.5686, 0.8588
CMYK	0.00, 0.20, 0.74, 0.46
HSL	44°, 58%, 34%
HSV	44°, 74%, 54%
XYZ	16.2109, 16.5976, 4.0177
YIQ	109.6370, 39.8460, -17.2900

Conversions

Conversions Part 2

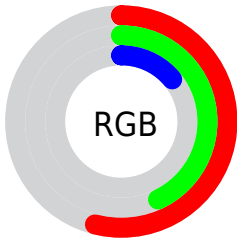
Format	Color
R_{YB}	73, 137, 36
Decimal	9006628
CIE _{Lab}	47.75, 2.51, 43.33
CIE _{LCh}	48, 43.400, 86.691
Yxy	16.5976, 0.4402, 0.4507
Android (android.graphics.Color)	4287196708 (0xFF896E24)
YUV	109.6370, -36.3030, 23.9974
Hunter-Lab	40.7402, -0.2683, 22.6710

Details

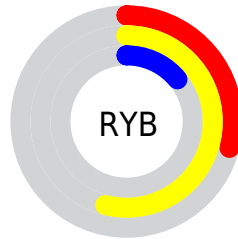
The Yxy color **16.5976, 0.4402, 0.4507** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.7353, 0.1889, 0.1543**, and the grayscale version is **15.5811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4991, 0.4136, 0.4259**, and **5.4398, 0.4669, 0.4675** is the 20% darker color. If you saturate the color by 10%, you get **15.7562, 0.4550, 0.4580**, and if you desaturate by 10%, it is **17.5054, 0.4233, 0.4393**.

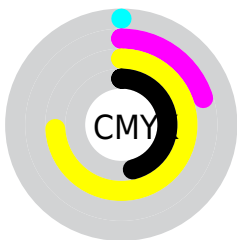
Distribution



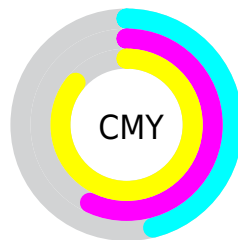
- Red (54%)
- Green (43%)
- Blue (14%)



- Red (29%)
- Yellow (54%)
- Blue (14%)



- Cyan (0%)
- Magenta (20%)
- Yellow (74%)
- Black (46%)




- Cyan (46%)
- Magenta (57%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5976, 0.4402, 0.4507 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 16.5976, 0.4402, 0.4507 by changing the saturation by 10% instead.


 16.5976, 0.4402,
0.4507


 16.5976, 0.4402,
0.4507


 232.8427, 0.3699,
0.3848

 9.9480, 0.4574,
0.4660


 37.6326, 0.4140,
0.4267


 5.3645, 0.4829,
0.4884

 52.7868, 0.4042,
0.4175


 2.4627, 0.5001,
0.4999

 71.5447, 0.3961,
0.4098

 0.8579, 0.5055,
0.4945

 94.2906, 0.3892,
0.4032

 0.0000, 0.0000,
0.0000

 121.4089, 0.3833,
0.3976

 153.2841, 0.3782,

0.3928

190.3006, 0.3738,
0.3885

16.5976, 0.4402,
0.4507

16.5976, 0.4402,
0.4507

15.7562, 0.4550,
0.4580

17.5054, 0.4233,
0.4393

14.9742, 0.4672,
0.4608

18.4807, 0.4051,
0.4248

14.5064, 0.4744,
0.4615

19.5276, 0.3865,
0.4080

20.6492, 0.3680,
0.3900

21.8480, 0.3503,
0.3715

■ 23.1266, 0.3336,
0.3532

■ 24.4875, 0.3181,
0.3354

■ 25.9328, 0.3040,
0.3185

■ 27.4647, 0.2912,
0.3027

Harmonies

Analogous

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



16.5976, 0.4789, 0.3926



16.5976, 0.4402, 0.4507



16.5976, 0.3705, 0.4861

Triad

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



16.5976, 0.4402, 0.4507



16.5976, 0.1782, 0.2959



16.5976, 0.3176, 0.2304

Complementary

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



16.5976, 0.4402, 0.4507



5.7353, 0.1889, 0.1543

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.



16.5976, 0.2401, 0.2056



16.5976, 0.4402, 0.4507



16.5976, 0.1689, 0.2333

Square

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



16.5976, 0.4402, 0.4507



16.5976, 0.2198, 0.3870



16.5976, 0.1897, 0.2051



16.5976, 0.4052, 0.2747

Rectangle

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



16.5976, 0.4402, 0.4507



16.5976, 0.3167, 0.4805



16.5976, 0.1897, 0.2051



16.5976, 0.2894, 0.2197

Sweetspot

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



16.5984, 0.4402, 0.4507



39.4017, 0.3482, 0.3692



6.9571, 0.4852, 0.2839



8.7239, 0.3521, 0.3734



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.



16.5984, 0.4402, 0.4507



27.3338, 0.4630, 0.4603



21.6715, 0.3801, 0.5039



5.6226, 0.3264, 0.3450



13.5327, 0.4742, 0.4617



0.1140, 0.4444, 0.4854

Inverse Universe

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



5.7353, 0.1889, 0.1543



6.9985, 0.1689, 0.1159



3.9636, 0.1972, 0.1135



5.0957, 0.2991, 0.3125



2.9106, 0.1602, 0.0967



0.0408, 0.1814, 0.1731

Previews

White Background



This preview shows how the Yxy color 16.5976, 0.4402, 0.4507 looks on a white background.

Color Contrast Check

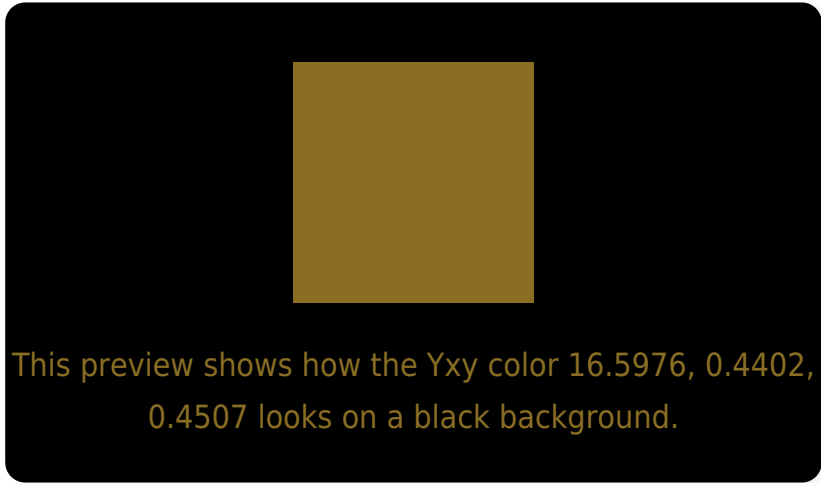
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 16.5976, 0.4402, 0.4507

Background



This preview shows how black text looks on a background with the Yxy color 16.5976, 0.4402, 0.4507.



This preview shows how white text looks on a background with the Yxy color 16.5976, 0.4402, 0.4507.

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

16.5976, 0.4402, 0.4507

Protanopia

16.6802, 0.4200, 0.4639

Deuteranopia

16.6095, 0.4490, 0.4426



Tritanopia

16.5990, 0.3580, 0.3148

Trichromacy



Original Color

16.5976, 0.4402, 0.4507

Protanomaly

16.7691, 0.4270, 0.4590

Deuteranomaly

16.6463, 0.4449, 0.4457

Tritanomaly

16.5236, 0.3927, 0.3693

Monochromacy



Original Color

16.5976, 0.4402, 0.4507

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.7695, 0.3622, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5976, 0.4402, 0.4507 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, 110, 36)` looks like.

```
.text, #text, p{  
    color:rgb(137, 110, 36)  
}
```

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, 110, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 110, 36) }
```

Border

The CSS property to change the border of an element to Yxy 16.5976, 0.4402, 0.4507 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, 110, 36) }
```

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

```
.border{ border-color:rgb(137, 110, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 110, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 110, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 110, 36);  
box-shadow:4px 4px 4px 4px rgb(137, 110,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5976, 0.4402, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 110, 36) }
```

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

```
.background{ background-color: rgb(137,  
110, 36) }
```

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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