

Converting Colors

$Y_{xy}(16.9707, 0.4614, 0.4348)$

Have a look what the booklet for
Yxy(16.9707, 0.4614, 0.4348)
contains.

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Color

Yxy(16.8312, 0.4612, 0.4341)

Conversions

Conversions Part 1

Format	Color
Hex	956A25
RGB	149, 106, 37
RGB Percent	58%, 42%, 15%
CMY	0.4157, 0.5843, 0.8548
CMYK	0.00, 0.29, 0.75, 0.42
HSL	37°, 60%, 36%
HSV	37°, 75%, 58%
XYZ	17.8819, 16.8312, 4.0595
YIQ	110.9910, 47.7770, -12.3430

Conversions

Conversions Part 2

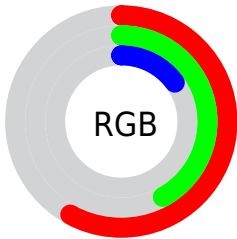
Format	Color
R_{YB}	107, 149, 37
Decimal	9792037
CIE Lab	48.05, 10.44, 43.61
CIE LCh	48, 44.843, 76.538
Yxy	16.8312, 0.4612, 0.4341
Android (android.graphics.Color)	4287982117 (0xFF956A25)
YUV	110.9910, -36.4776, 33.3339
Hunter-Lab	41.0258, 6.0076, 22.8514

Details

The Yxy color **16.8312, 0.4612, 0.4341** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.3047, 0.1931, 0.1770**, and the grayscale version is **15.9926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0512, 0.4309, 0.4155**, and **5.5076, 0.4974, 0.4433** is the 20% darker color. If you saturate the color by 10%, you get **15.6165, 0.4808, 0.4384**, and if you desaturate by 10%, it is **18.1644, 0.4397, 0.4254**.

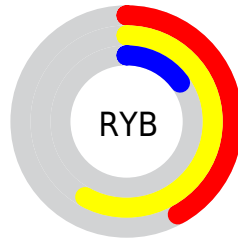
Distribution



Red (58%)

Green (42%)

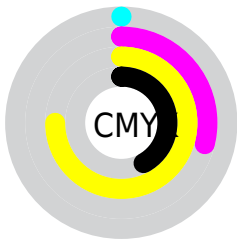
Blue (15%)



Red (42%)

Yellow (58%)

Blue (15%)

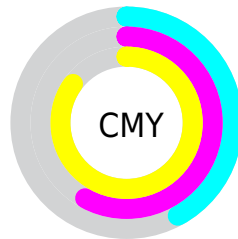


Cyan (0%)

Magenta (29%)

Yellow (75%)

Black (42%)



Cyan (42%)

Magenta (58%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8312, 0.4612, 0.4341 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 16.8312, 0.4612, 0.4341 by changing the saturation by 10% instead.


 16.8312, 0.4612,
0.4341


 16.8312, 0.4612,
0.4341


234.1978, 0.3785,
0.3800


 10.1142, 0.4822,
0.4448


 38.0353, 0.4300,
0.4155


 5.4748, 0.5127,
0.4594

 53.2912, 0.4185,
0.4080

 2.5284, 0.5388,
0.4612

 72.1623, 0.4089,
0.4015

 0.8908, 0.5590,
0.4410

 95.0328, 0.4008,
0.3960

 0.0000, 1.0000,
0.0000

 122.2872, 0.3940,
0.3911

 0.0000, 0.0000,
0.0000

 154.3099, 0.3881,

0.3869

191.4853, 0.3829,
0.3832

16.8312, 0.4612,
0.4341

16.8312, 0.4612,
0.4341

15.6165, 0.4808,
0.4384

18.1644, 0.4397,
0.4254

14.5109, 0.4975,
0.4379

19.6194, 0.4175,
0.4134

14.0059, 0.5054,
0.4369

21.2019, 0.3955,
0.3991

22.9166, 0.3744,
0.3835

24.7678, 0.3547,
0.3676

■ 26.7595, 0.3367,
0.3518

■ 28.8957, 0.3204,
0.3365

■ 31.1798, 0.3058,
0.3221

■ 33.6154, 0.2929,
0.3086

Harmonies

Analogous

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



16.8312, 0.4859, 0.3720



16.8312, 0.4612, 0.4341



16.8312, 0.3979, 0.4825

Triad

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



16.8312, 0.4612, 0.4341



16.8312, 0.1855, 0.3243



16.8312, 0.2882, 0.2170

Complementary

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



16.8312, 0.4612, 0.4341



8.3047, 0.1931, 0.1770

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.



16.8312, 0.2173, 0.1997



16.8312, 0.4612, 0.4341



16.8312, 0.1653, 0.2482

Square

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



16.8312, 0.4612, 0.4341



16.8312, 0.2388, 0.4209



16.8312, 0.1763, 0.2082



16.8312, 0.3781, 0.2562

Rectangle

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



16.8312, 0.4612, 0.4341



16.8312, 0.3445, 0.4918



16.8312, 0.1763, 0.2082



16.8312, 0.2615, 0.2086

Sweetspot

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



16.8320, 0.4612, 0.4341



44.9401, 0.3516, 0.3649



8.3209, 0.4600, 0.2627



9.7080, 0.3578, 0.3702



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



16.8320, 0.4612, 0.4341



26.6258, 0.4923, 0.4386



27.0125, 0.3959, 0.4968



6.3743, 0.3268, 0.3426



11.8477, 0.5047, 0.4375



0.2022, 0.4589, 0.4738

Inverse Universe

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



8.3047, 0.1931, 0.1770



10.7402, 0.1748, 0.1406



4.1293, 0.1816, 0.1025



5.9763, 0.2989, 0.3150



4.3609, 0.1683, 0.1258



0.1074, 0.1913, 0.2088

Previews

White Background



This preview shows how the Yxy color 16.8312, 0.4612, 0.4341 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 16.8312, 0.4612, 0.4341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

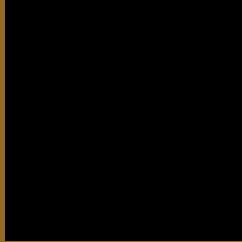
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8312, 0.4612, 0.4341

Background



This preview shows how black text looks on a background with the Yxy color 16.8312, 0.4612, 0.4341.



This preview shows how white text looks on a background with the Yxy color 16.8312, 0.4612, 0.4341.

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

16.8312, 0.4612, 0.4341

Protanopia

16.9971, 0.4186, 0.4621

Deuteranopia

16.9043, 0.4498, 0.4443



Tritanopia

16.7575, 0.3815, 0.3157

Trichromacy



Original Color

16.8312, 0.4612, 0.4341

Protanomaly

16.9625, 0.4345, 0.4522

Deuteranomaly

16.8722, 0.4539, 0.4412

Tritanomaly

16.7873, 0.4159, 0.3632

Monochromacy



Original Color

16.8312, 0.4612, 0.4341

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9373, 0.3687, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8312, 0.4612, 0.4341 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(149, 106, 37)` looks like.

```
.text, #text, p{  
    color:rgb(149, 106, 37)  
}
```

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(149, 106, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 106, 37) }
```

Border

The CSS property to change the border of an element to Yxy 16.8312, 0.4612, 0.4341 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(149, 106, 37) }
```

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

```
.border{ border-color:rgb(149, 106, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 106, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 106, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 106, 37);  
box-shadow:4px 4px 4px 4px rgb(149, 106,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8312, 0.4612, 0.4341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 106, 37) }
```

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

```
.background{ background-color: rgb(149,  
106, 37) }
```

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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