

Converting Colors

$Y_{xy}(16.9281, 0.4645, 0.4391)$

Have a look what the booklet for
Yxy(16.9281, 0.4645, 0.4391)
contains.

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Color

Yxy(17.0092, 0.4637, 0.4403)

Conversions

Conversions Part 1

Format	Color
Hex	956B20
RGB	149, 107, 32
RGB Percent	58%, 42%, 13%
CMY	0.4157, 0.5804, 0.8743
CMYK	0.00, 0.28, 0.78, 0.42
HSL	38°, 65%, 35%
HSV	38°, 78%, 58%
XYZ	17.9132, 17.0092, 3.7086
YIQ	111.0080, 49.1070, -14.4210

Conversions

Conversions Part 2

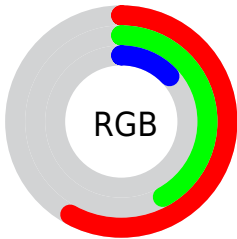
Format	Color
R _Y B	98, 149, 32
Decimal	9792288
CIE Lab	48.27, 9.64, 45.98
CIE LCh	48, 46.982, 78.164
Yxy	17.0092, 0.4637, 0.4403
Android (android.graphics.Color)	4287982368 (0xFF956B20)
YUV	111.0080, -38.9509, 33.3190
Hunter-Lab	41.2422, 5.3559, 23.5381

Details

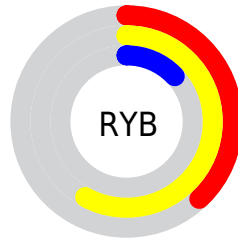
The Yxy color **17.0092, 0.4637, 0.4403** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.3808, 0.1872, 0.1631**, and the grayscale version is **16.0051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3283, 0.4333, 0.4207**, and **5.6114, 0.4947, 0.4454** is the 20% darker color. If you saturate the color by 10%, you get **15.8651, 0.4812, 0.4435**, and if you desaturate by 10%, it is **18.2607, 0.4438, 0.4325**.

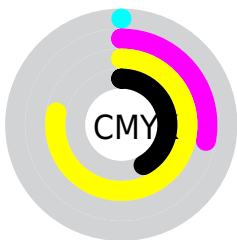
Distribution



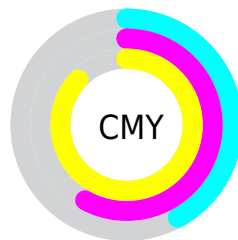
- Red (58%)
- Green (42%)
- Blue (13%)



- Red (38%)
- Yellow (58%)
- Blue (13%)



- Cyan (0%)
- Magenta (28%)
- Yellow (78%)
- Black (42%)




- Cyan (42%)
- Magenta (58%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0092, 0.4637, 0.4403 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 17.0092, 0.4637, 0.4403 by changing the saturation by 10% instead.


 17.0092, 0.4637,
0.4403


 17.0092, 0.4637,
0.4403


235.2254, 0.3804,
0.3834


 10.2411, 0.4841,
0.4512


 38.3416, 0.4327,
0.4209

 5.5591, 0.5157,
0.4680

 53.6746, 0.4212,
0.4130


 2.5789, 0.5346,
0.4654

 72.6314, 0.4115,
0.4062

 0.9161, 0.5532,
0.4468

 95.5963, 0.4033,
0.4003

 0.0000, 1.0000,
0.0000

 122.9538, 0.3963,
0.3952

 0.0000, 0.0000,
0.0000

 155.0882, 0.3903,

0.3908

192.3839, 0.3850,
0.3868

17.0092, 0.4637,
0.4403

17.0092, 0.4637,
0.4403

15.8651, 0.4812,
0.4435

18.2607, 0.4438,
0.4325

14.8155, 0.4963,
0.4425

19.6227, 0.4227,
0.4210

14.6636, 0.4986,
0.4423

21.1010, 0.4013,
0.4068

22.7000, 0.3804,
0.3911

24.4238, 0.3607,
0.3746

■ 26.2764, 0.3423,
0.3581

■ 28.2614, 0.3256,
0.3420

■ 30.3823, 0.3105,
0.3268

■ 32.6424, 0.2970,
0.3124

Harmonies

Analogous

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



17.0092, 0.4929, 0.3760



17.0092, 0.4637, 0.4403



17.0092, 0.3960, 0.4903

Triad

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



17.0092, 0.4637, 0.4403



17.0092, 0.1786, 0.3184



17.0092, 0.2917, 0.2147

Complementary

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



17.0092, 0.4637, 0.4403



7.3808, 0.1872, 0.1631

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.



17.0092, 0.2169, 0.1955



17.0092, 0.4637, 0.4403



17.0092, 0.1600, 0.2413

Square

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



17.0092, 0.4637, 0.4403



17.0092, 0.2317, 0.4201



17.0092, 0.1730, 0.2025



17.0092, 0.3858, 0.2561

Rectangle

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



17.0092, 0.4637, 0.4403



17.0092, 0.3402, 0.4989



17.0092, 0.1730, 0.2025



17.0092, 0.2636, 0.2056

Sweetspot

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



17.0100, 0.4637, 0.4403



45.0417, 0.3531, 0.3680



7.9320, 0.4800, 0.2685



9.7487, 0.3592, 0.3733



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.



17.0100, 0.4637, 0.4403



27.0077, 0.4923, 0.4427



26.6186, 0.3931, 0.5043



6.3978, 0.3268, 0.3432



12.3991, 0.4979, 0.4428



0.2077, 0.4556, 0.4765

Inverse Universe

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



7.3808, 0.1872, 0.1631



9.2752, 0.1695, 0.1256



3.8250, 0.1797, 0.0962



5.9535, 0.2989, 0.3144



4.0603, 0.1664, 0.1189



0.1019, 0.1894, 0.2017

Previews

White Background



This preview shows how the Yxy color 17.0092, 0.4637, 0.4403 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 17.0092, 0.4637, 0.4403 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 17.0092, 0.4637, 0.4403

Background



This preview shows how black text looks on a background with the Yxy color 17.0092, 0.4637, 0.4403.



This preview shows how white text looks on a background with the Yxy color 17.0092, 0.4637, 0.4403.

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

17.0092, 0.4637, 0.4403

Protanopia

17.0441, 0.4239, 0.4669

Deuteranopia

16.9655, 0.4549, 0.4483



Tritanopia

17.0459, 0.3824, 0.3174

Trichromacy



Original Color

17.0092, 0.4637, 0.4403

Protanomaly

16.9324, 0.4384, 0.4576

Deuteranomaly

16.9350, 0.4591, 0.4451

Tritanomaly

16.9551, 0.4180, 0.3682

Monochromacy



Original Color

17.0092, 0.4637, 0.4403

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.1210, 0.3708, 0.3843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0092, 0.4637, 0.4403 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, 107, 32)` looks like.

```
.text, #text, p{  
    color:rgb(149, 107, 32)  
}
```

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, 107, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 107, 32) }
```

Border

The CSS property to change the border of an element to Yxy 17.0092, 0.4637, 0.4403 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, 107, 32) }
```

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

```
.border{ border-color:rgb(149, 107, 32) }
```

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

Here you see how a box with a 4 pixel rgb(149, 107, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 107, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 107, 32);  
box-shadow:4px 4px 4px 4px rgb(149, 107,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0092, 0.4637, 0.4403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 107, 32) }
```

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

```
.background{ background-color: rgb(149,  
107, 32) }
```

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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