

Converting Colors

$Y_{xy}(18.6750, 0.4928, 0.4325)$

Have a look what the booklet for
Yxy(18.6750, 0.4928, 0.4325)
contains.

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Color

$Y_{xy}(18.5815, 0.4933, 0.4317)$

Conversions

Conversions Part 1

Format	Color
Hex	A76A16
RGB	167, 106, 22
RGB Percent	65%, 42%, 9%
CMY	0.3452, 0.5843, 0.9136
CMYK	0.00, 0.37, 0.87, 0.35
HSL	35°, 77%, 37%
HSV	35°, 87%, 65%
XYZ	21.2329, 18.5815, 3.2282
YIQ	114.6630, 63.3200, -13.1920

Conversions

Conversions Part 2

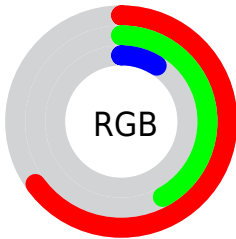
Format	Color
R_{YB}	127, 167, 22
Decimal	10971670
CIE Lab	50.19, 18.07, 52.23
CIE LCh	50, 55.263, 70.919
Yxy	18.5815, 0.4933, 0.4317
Android (android.graphics.Color)	4289161750 (0xFFA76A16)
YUV	114.6630, -45.6829, 45.8995
Hunter-Lab	43.1063, 12.4881, 25.7342

Details

The Yxy color **18.5815, 0.4933, 0.4317** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.1479, 0.1814, 0.1596**, and the grayscale version is **17.1653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9528, 0.4585, 0.4173**, and **6.3411, 0.5264, 0.4202** is the 20% darker color. If you saturate the color by 10%, you get **17.1469, 0.5111, 0.4291**, and if you desaturate by 10%, it is **20.1769, 0.4724, 0.4293**.

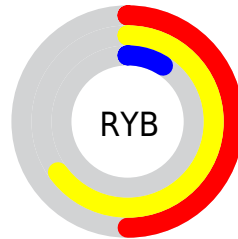
Distribution



Red (65%)

Green (42%)

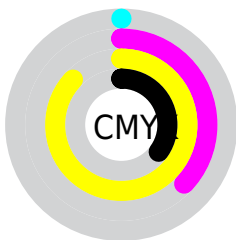
Blue (9%)



Red (50%)

Yellow (65%)

Blue (9%)

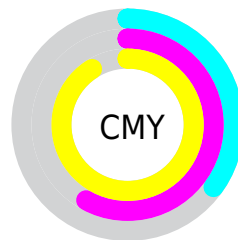


Cyan (0%)

Magenta (37%)

Yellow (87%)

Black (35%)



Cyan (35%)


Magenta (58%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5815, 0.4933, 0.4317 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 18.5815, 0.4933, 0.4317 by changing the saturation by 10% instead.


 18.5815, 0.4933,
0.4317


 18.5815, 0.4933,
0.4317


244.1286, 0.3959,
0.3847


 11.3683, 0.5159,
0.4374


 41.0257, 0.4580,
0.4179

 6.3151, 0.5522,
0.4478


 57.0255, 0.4445,
0.4115


 3.0376, 0.5690,
0.4310

 76.7229, 0.4331,
0.4057

 1.1514, 0.5974,
0.4026

 100.5024, 0.4233,
0.4005

 0.0215, 0.9555,
0.0445

 128.7483, 0.4150,
0.3958

 0.0000, 0.0000,
0.0000

 161.8450, 0.4078,

0.3917

200.1770, 0.4014,
0.3880

18.5815, 0.4933,
0.4317

18.5815, 0.4933,
0.4317

17.1469, 0.5111,
0.4291

20.1769, 0.4724,
0.4293

16.7158, 0.5167,
0.4279

21.9412, 0.4494,
0.4222

23.8839, 0.4256,
0.4114

26.0123, 0.4021,
0.3982

28.3334, 0.3797,
0.3835

■ 30.8534, 0.3590,
0.3683

■ 33.5784, 0.3401,
0.3531

■ 36.5140, 0.3232,
0.3385

■ 39.6656, 0.3081,
0.3247

Harmonies

Analogous

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



18.5815, 0.5153, 0.3599



18.5815, 0.4933, 0.4317



18.5815, 0.4234, 0.4983

Triad

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



18.5815, 0.4933, 0.4317



18.5815, 0.1728, 0.3423



18.5815, 0.2649, 0.1948

Complementary

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



18.5815, 0.4933, 0.4317



9.1479, 0.1814, 0.1596

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.



18.5815, 0.1906, 0.1800



18.5815, 0.4933, 0.4317



18.5815, 0.1449, 0.2451

Square

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



18.5815, 0.4933, 0.4317



18.5815, 0.2391, 0.4614



18.5815, 0.1516, 0.1941



18.5815, 0.3689, 0.2344

Rectangle

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



18.5815, 0.4933, 0.4317



18.5815, 0.3631, 0.5231



18.5815, 0.1516, 0.1941



18.5815, 0.2361, 0.1869

Sweetspot

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



18.5825, 0.4933, 0.4317



55.4251, 0.3583, 0.3677



9.4423, 0.4860, 0.2570



12.0576, 0.3650, 0.3728



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



18.5825, 0.4933, 0.4317



29.5271, 0.5189, 0.4262



34.8897, 0.4057, 0.5068



8.2370, 0.3272, 0.3421



12.8924, 0.5155, 0.4289



0.4115, 0.4762, 0.4601

Inverse Universe

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



9.1479, 0.1814, 0.1596



12.5086, 0.1696, 0.1306



3.6669, 0.1623, 0.0758



7.7998, 0.2986, 0.3156



5.6034, 0.1710, 0.1355



0.2382, 0.1896, 0.2026

Previews

White Background



This preview shows how the Yxy color 18.5815, 0.4933, 0.4317 looks on a white 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

Black Background



This preview shows how the Yxy color 18.5815, 0.4933, 0.4317 looks on a black 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

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

Yxy 18.5815, 0.4933, 0.4317

Background



This preview shows how black text looks on a background with the Yxy color 18.5815, 0.4933, 0.4317.



This preview shows how white text looks on a background with the Yxy color 18.5815, 0.4933, 0.4317.

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

18.5815, 0.4933, 0.4317

Protanopia

18.6584, 0.4305, 0.4755

Deuteranopia

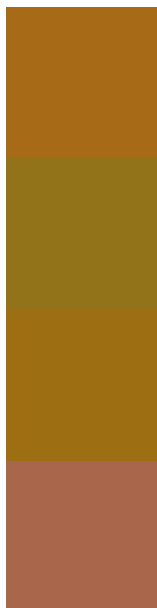
18.6513, 0.4646, 0.4592



Tritanopia

18.6222, 0.4082, 0.3186

Trichromacy



Original Color

18.5815, 0.4933, 0.4317

Protanomaly

18.5347, 0.4539, 0.4587

Deuteranomaly

18.5806, 0.4758, 0.4488

Tritanomaly

18.5568, 0.4502, 0.3696

Monochromacy



Original Color

18.5815, 0.4933, 0.4317

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.2508, 0.3839, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5815, 0.4933, 0.4317 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(167, 106, 22)` looks like.

```
.text, #text, p{  
    color:rgb(167, 106, 22)  
}
```

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(167, 106, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 106, 22) }
```

Border

The CSS property to change the border of an element to Yxy 18.5815, 0.4933, 0.4317 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(167, 106, 22) }
```

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

```
.border{ border-color:rgb(167, 106, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 106, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 106, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 106, 22);  
box-shadow:4px 4px 4px 4px rgb(167, 106,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5815, 0.4933, 0.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 106, 22) }
```

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

```
.background{ background-color: rgb(167,  
106, 22) }
```

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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