

Converting Colors

$Y_{xy}(18.7634, 0.4678, 0.4471)$

Have a look what the booklet for
Yxy(18.7634, 0.4678, 0.4471)
contains.

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Color

Yxy(18.6315, 0.4679, 0.4471)

Conversions

Conversions Part 1

Format	Color
Hex	9B701A
RGB	155, 112, 26
RGB Percent	61%, 44%, 10%
CMY	0.3921, 0.5608, 0.8983
CMYK	0.00, 0.28, 0.83, 0.39
HSL	40°, 71%, 35%
HSV	40°, 83%, 61%
XYZ	19.4983, 18.6315, 3.5421
YIQ	115.0530, 53.2340, -17.6300

Conversions

Conversions Part 2

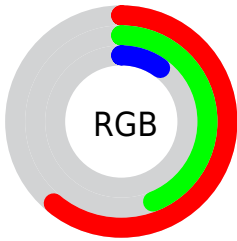
Format	Color
RYB	91, 155, 26
Decimal	10186778
CIELab	50.25, 9.31, 50.38
CIELCh	50, 51.238, 79.528
Yxy	18.6315, 0.4679, 0.4471
Android (android.graphics.Color)	4288376858 (0xFF9B701A)
YUV	115.0530, -43.9031, 35.0335
Hunter-Lab	43.1642, 5.0952, 25.3495

Details

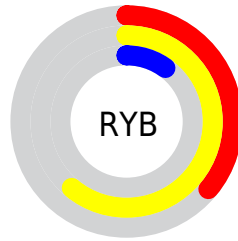
The Yxy color **18.6315, 0.4679, 0.4471** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.8343, 0.1794, 0.1448**, and the grayscale version is **17.2837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2471, 0.4371, 0.4284**, and **6.3194, 0.4932, 0.4466** is the 20% darker color. If you saturate the color by 10%, you get **17.4738, 0.4828, 0.4484**, and if you desaturate by 10%, it is **19.8939, 0.4502, 0.4410**.

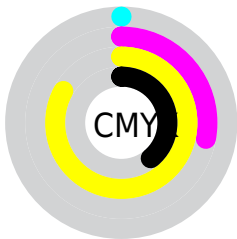
Distribution



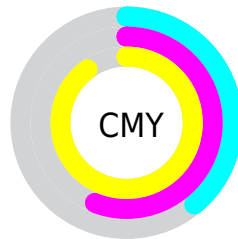
- Red (61%)
- Green (44%)
- Blue (10%)



- Red (36%)
- Yellow (61%)
- Blue (10%)



- Cyan (0%)
- Magenta (28%)
- Yellow (83%)
- Black (39%)





- Cyan (39%)
- Magenta (56%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6315, 0.4679, 0.4471 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 18.6315, 0.4679, 0.4471 by changing the saturation by 10% instead.


 18.6315, 0.4679,
0.4471


 18.6315, 0.4679,
0.4471


244.4068, 0.3846,
0.3883


 11.4043, 0.4871,
0.4577


 41.1105, 0.4378,
0.4276

 6.3395, 0.5167,
0.4740


 57.1311, 0.4262,
0.4195


 3.0526, 0.5307,
0.4693

 76.8516, 0.4164,
0.4125

 1.1592, 0.5465,
0.4535

 100.6564, 0.4081,
0.4063

 0.0280, 0.9006,
0.0994

 128.9300, 0.4009,
0.4009

 0.0000, 0.0000,
0.0000

 162.0566, 0.3947,

0.3962

200.4208, 0.3893,
0.3920

18.6315, 0.4679,
0.4471

18.6315, 0.4679,
0.4471

17.4738, 0.4828,
0.4484

19.8939, 0.4502,
0.4410

16.7415, 0.4920,
0.4475

21.2646, 0.4306,
0.4307

22.7499, 0.4100,
0.4172

24.3549, 0.3894,
0.4016

26.0839, 0.3695,
0.3847

■ 27.9412, 0.3507,
0.3675

■ 29.9306, 0.3334,
0.3505

■ 32.0557, 0.3175,
0.3342

■ 34.3202, 0.3033,
0.3187

Harmonies

Analogous

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



18.6315, 0.5022, 0.3796



18.6315, 0.4679, 0.4471



18.6315, 0.3950, 0.5003

Triad

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



18.6315, 0.4679, 0.4471



18.6315, 0.1703, 0.3124



18.6315, 0.2944, 0.2110

Complementary

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



18.6315, 0.4679, 0.4471



6.8343, 0.1794, 0.1448

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.



18.6315, 0.2149, 0.1898



18.6315, 0.4679, 0.4471



18.6315, 0.1531, 0.2335

Square

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



18.6315, 0.4679, 0.4471



18.6315, 0.2236, 0.4211



18.6315, 0.1681, 0.1953



18.6315, 0.3943, 0.2548

Rectangle

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



18.6315, 0.4679, 0.4471



18.6315, 0.3362, 0.5088



18.6315, 0.1681, 0.1953



18.6315, 0.2645, 0.2012

Sweetspot

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



18.6324, 0.4679, 0.4471



49.2775, 0.3548, 0.3713



8.1343, 0.5071, 0.2757



10.9054, 0.3609, 0.3770



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.6324, 0.4679, 0.4471



29.6224, 0.4937, 0.4462



28.5451, 0.3899, 0.5139



6.8759, 0.3268, 0.3438



13.5180, 0.4912, 0.4481



0.2682, 0.4537, 0.4780

Inverse Universe

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



6.8343, 0.1794, 0.1448



8.2665, 0.1630, 0.1069



3.7179, 0.1758, 0.0874



6.3459, 0.2988, 0.3138



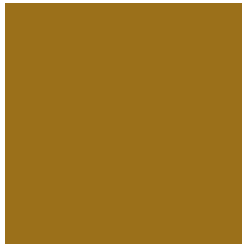
3.9121, 0.1644, 0.1117



0.1206, 0.1868, 0.1923

Previews

White Background



This preview shows how the Yxy color 18.6315, 0.4679, 0.4471 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 18.6315, 0.4679, 0.4471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

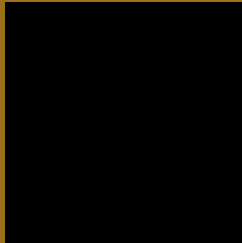
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6315, 0.4679, 0.4471

Background



This preview shows how black text looks on a background with the Yxy color 18.6315, 0.4679, 0.4471.



This preview shows how white text looks on a background with the Yxy color 18.6315, 0.4679, 0.4471.

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

18.6315, 0.4679, 0.4471

Protanopia

18.6677, 0.4294, 0.4739

Deuteranopia

18.6841, 0.4605, 0.4539



Tritanopia

18.5441, 0.3815, 0.3162

Trichromacy



Original Color

18.6315, 0.4679, 0.4471

Protanomaly

18.5525, 0.4434, 0.4644

Deuteranomaly

18.5558, 0.4632, 0.4517

Tritanomaly

18.3786, 0.4215, 0.3716

Monochromacy



Original Color

18.6315, 0.4679, 0.4471

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.4050, 0.3743, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6315, 0.4679, 0.4471 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(155, 112, 26)` looks like.

```
.text, #text, p{  
    color:rgb(155, 112, 26)  
}
```

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(155, 112, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 112, 26) }
```

Border

The CSS property to change the border of an element to Yxy 18.6315, 0.4679, 0.4471 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(155, 112, 26) }
```

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

```
.border{ border-color:rgb(155, 112, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 112, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 112, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 112, 26);  
box-shadow:4px 4px 4px 4px rgb(155, 112,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6315, 0.4679, 0.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 112, 26) }
```

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

```
.background{ background-color: rgb(155,  
112, 26) }
```

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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