

# Converting Colors

$Y_{xy}(17.9628, 0.5142, 0.4195)$

Have a look what the booklet for  
Yxy(17.9628, 0.5142, 0.4195)  
contains.

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# Color

**Yxy(17.9628, 0.5142, 0.4195)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE6311
RGB	174, 99, 17
RGB Percent	68%, 39%, 7%
CMY	0.3177, 0.6117, 0.9331
CMYK	0.00, 0.43, 0.90, 0.32
HSL	31°, 82%, 37%
HSV	31°, 90%, 68%
XYZ	22.0178, 17.9628, 2.8389
YIQ	112.0770, 71.0220, -9.6020

# Conversions

## Conversions Part 2

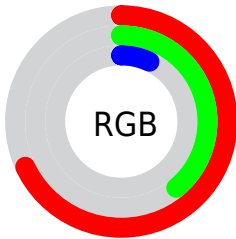
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 174, 17
Decimal	11428625
CIE <sub>Lab</sub>	49.45, 24.96, 53.54
CIE <sub>LCh</sub>	49, 59.074, 65.004
Yxy	17.9628, 0.5142, 0.4195
Android (android.graphics.Color)	4289618705 (0xFFAE6311)
YUV	112.0770, -46.8730, 54.3065
Hunter-Lab	42.3825, 18.5616, 25.6963

# Details

The Yxy color **17.9628, 0.5142, 0.4195** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.8358, 0.1827, 0.1692**, and the grayscale version is **16.3540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9298, 0.4751, 0.4097**, and **6.0807, 0.5518, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **16.4564, 0.5336, 0.4145**, and if you desaturate by 10%, it is **19.6985, 0.4915, 0.4202**.

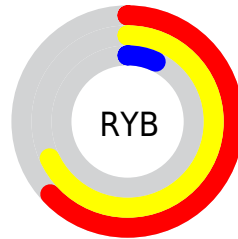
# Distribution



Red (68%)

Green (39%)

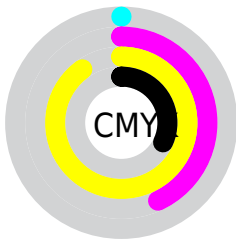
Blue (7%)



Red (63%)

Yellow (68%)

Blue (7%)

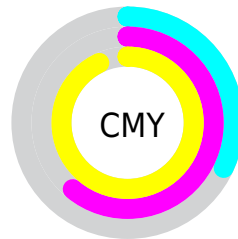


Cyan (0%)

Magenta (43%)

Yellow (90%)

Black (32%)



Cyan (32%)

Magenta (61%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9628, 0.5142, 0.4195 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 17.9628, 0.5142, 0.4195 by changing the saturation by 10% instead.





 17.9628, 0.5142,  
0.4195


 17.9628, 0.5142,  
0.4195


240.6613, 0.4051,  
0.3819


 10.9233, 0.5395,  
0.4214


 39.9739, 0.4746,  
0.4102


 6.0153, 0.5766,  
0.4234

 55.7143, 0.4595,  
0.4051

 2.8544, 0.5994,  
0.4006

 75.1238, 0.4467,  
0.4003

 1.0562, 0.6374,  
0.3626

 98.5868, 0.4358,  
0.3959

 0.0000, 1.0000,  
0.0000


 126.4876, 0.4264,  
0.3918


 0.0000, 0.0000,  
0.0000


 159.2107, 0.4183,


0.3882


 197.1405, 0.4113,  
0.3849


 17.9628, 0.5142,  
0.4195

 17.9628, 0.5142,  
0.4195

 16.4564, 0.5336,  
0.4145

 19.6985, 0.4915,  
0.4202

 21.6511, 0.4663,  
0.4159

 23.8328, 0.4401,  
0.4075

 26.2536, 0.4142,  
0.3962

 28.9226, 0.3897,  
0.3832

■ 31.8485, 0.3672,  
0.3694

■ 35.0392, 0.3469,  
0.3555

■ 38.5023, 0.3289,  
0.3420

■ 42.2451, 0.3130,  
0.3292

# Harmonies

## Analogous

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



17.9628, 0.5268, 0.3447



17.9628, 0.5142, 0.4195



17.9628, 0.4455, 0.4954

# Triad

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



17.9628, 0.5142, 0.4195



17.9628, 0.1735, 0.3682



17.9628, 0.2424, 0.1814

# Complementary

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



17.9628, 0.5142, 0.4195



10.8358, 0.1827, 0.1692

# 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.



17.9628, 0.1719, 0.1713



17.9628, 0.5142, 0.4195



17.9628, 0.1374, 0.2542

# Square

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



17.9628, 0.5142, 0.4195



17.9628, 0.2503, 0.4951



17.9628, 0.1382, 0.1919



17.9628, 0.3492, 0.2182



# Rectangle

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



17.9628, 0.5142, 0.4195



17.9628, 0.3833, 0.5325



17.9628, 0.1382, 0.1919



17.9628, 0.2145, 0.1750

# Sweetspot

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



17.9638, 0.5142, 0.4195



59.3028, 0.3615, 0.3656



10.1890, 0.4777, 0.2480



12.7659, 0.3685, 0.3702



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



17.9638, 0.5142, 0.4195



29.4017, 0.5361, 0.4126



39.0104, 0.4144, 0.5034



8.6813, 0.3274, 0.3409



12.0565, 0.5320, 0.4158



0.4441, 0.4894, 0.4496



# Inverse Universe

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



10.8358, 0.1827, 0.1692



16.3600, 0.1745, 0.1482



3.6034, 0.1561, 0.0693



8.3648, 0.2986, 0.3169



6.8361, 0.1759, 0.1531



0.3002, 0.1919, 0.2106



# Previews

## White Background



This preview shows how the Yxy color 17.9628, 0.5142, 0.4195 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 17.9628, 0.5142, 0.4195 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 17.9628, 0.5142, 0.4195**

## **Background**



This preview shows how black text looks on a background with the Yxy color 17.9628, 0.5142, 0.4195.



This preview shows how white text looks on a background with the Yxy color 17.9628, 0.5142, 0.4195.

# 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

17.9628, 0.5142, 0.4195

### Protanopia

18.0053, 0.4321, 0.4771

### Deuteranopia

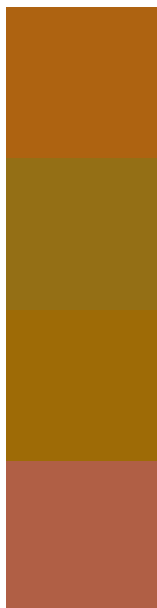
17.9779, 0.4703, 0.4648



## Tritanopia

17.9023, 0.4316, 0.3191

# Trichromacy



## Original Color

17.9628, 0.5142, 0.4195

## Protanomaly

17.7189, 0.4632, 0.4551

## Deuteranomaly

17.7976, 0.4875, 0.4475

## Tritanomaly

17.8442, 0.4730, 0.3659

# Monochromacy



## Original Color

17.9628, 0.5142, 0.4195

## Achromatopsia

16.2029, 0.3127, 0.3290

## Achromatomaly

16.2021, 0.3944, 0.3852

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 17.9628, 0.5142, 0.4195 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(174, 99, 17)` looks like.

```
.text, #text, p{  
    color:rgb(174, 99, 17)  
}
```

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(174, 99, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 99, 17) }
```

## Border

The CSS property to change the border of an element to Yxy 17.9628, 0.5142, 0.4195 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(174, 99, 17) }
```

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

```
.border{ border-color:rgb(174, 99, 17) }
```

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

Here you see how a box with a 4 pixel rgb(174, 99, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 99, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 99, 17);  
box-shadow:4px 4px 4px 4px rgb(174, 99,  
17) }
```



# Background

The CSS property to change the background color of an element to Yxy 17.9628, 0.5142, 0.4195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 99, 17) }
```

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

```
.background{ background-color: rgb(174, 99,  
17) }
```

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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