

# Converting Colors

XYZ(15.5719, 12.3493, 1.5629)

Have a look what the booklet for  
XYZ(15.5719, 12.3493, 1.5629)  
contains.

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# Color

**XYZ(15.5201, 12.3689,  
1.5694)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	965100
RGB	150, 81, 0
RGB Percent	59%, 32%, 0%
CMY	0.4118, 0.6823, 1.0000
CMYK	0.00, 0.46, 1.00, 0.41
HSL	32°, 100%, 29%
HSV	32°, 100%, 59%
XYZ	15.5201, 12.3689, 1.5694
YIQ	92.3970, 67.1250, -10.5630

# Conversions

## Conversions Part 2

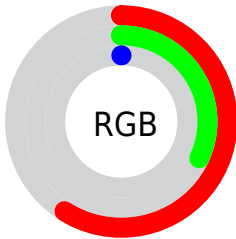
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 150, 0
Decimal	9851136
CIE Lab	41.80, 24.17, 50.98
CIE LCh	42, 56.414, 64.636
Yxy	12.3689, 0.5268, 0.4199
Android (android.graphics.Color)	4288041216 (0xFF965100)
YUV	92.3970, -45.5517, 50.5178
Hunter-Lab	35.1694, 17.2246, 21.9729

# Details

The XYZ color **15.5201, 12.3689, 1.5694** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.6329, 6.4579, 29.6981**, and the grayscale version is **10.3561, 10.8954, 11.8651**.

A 20% lighter version of the original color is **35.4332, 30.2296, 7.8383**, and **5.0147, 3.4774, 0.4069** is the 20% darker color. If you saturate the color by 10%, you get **15.5203, 12.3694, 1.5695**, and if you desaturate by 10%, it is **16.1457, 13.4822, 2.2034**.

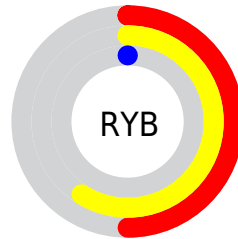
# Distribution



Red (59%)

Green (32%)

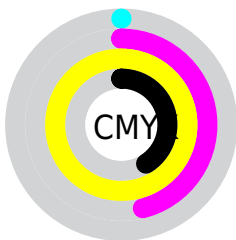
Blue (0%)



Red (50%)

Yellow (59%)

Blue (0%)

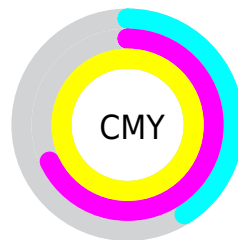


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (41%)



Cyan (41%)

Magenta (68%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 15.5201, 12.3689, 1.5694 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 XYZ color 15.5201, 12.3689, 1.5694 by changing the saturation by 10% instead.





 15.5201, 12.3689,  
1.5694


 15.5201, 12.3689,  
1.5694


 219.8195,  
206.8324, 115.2850


 9.2739, 6.9954,  
0.2688


 35.3273, 30.1652,  
7.8261


 4.9788, 3.4592,  
0.0000


 49.6189, 43.3569,  
13.7732


 2.2695, 1.3759,  
0.0000

 67.3231, 59.9234,  
22.1574

 0.7790, 0.1989,  
0.0000

 88.8052, 80.2491,  
33.3973


 0.0000, 0.0000,  
0.0000


 114.4305,  
104.7185, 47.9115


 144.5645,


133.7159, 66.1185


 179.5723,  
167.6258, 88.4368


 15.5201, 12.3689,  
1.5694


 15.5201, 12.3689,  
1.5694


 15.5203, 12.3694,  
1.5695

 16.1457, 13.4822,  
2.2034

 16.8865, 14.7269,  
3.1810

 17.7735, 16.1180,  
4.6572

 18.8196, 17.6630,  
6.6927

 20.0358, 19.3684,  
9.3394

■ 21.4321, 21.2402,  
12.6435

■ 23.0175, 23.2841,  
16.6462

■ 24.8004, 25.5052,  
21.3857

■ 26.7885, 27.9085,  
26.8973

# Harmonies

## Analogous

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



19.6279, 12.3689, 4.2018



15.5201, 12.3689, 1.5694



11.1225, 12.3689, 1.1141

# Triad

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



15.5201, 12.3689, 1.5694



5.4573, 12.3689, 15.4023



16.9049, 12.3689, 42.4145

# Complementary

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



15.5201, 12.3689, 1.5694



7.6329, 6.4579, 29.6981

# 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.



12.4137, 12.3689, 51.5504



15.5201, 12.3689, 1.5694



6.3333, 12.3689, 31.0996

# Square

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



15.5201, 12.3689, 1.5694



5.9155, 12.3689, 5.8536



8.6562, 12.3689, 46.5119



20.5505, 12.3689, 25.8340



# Rectangle

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



15.5201, 12.3689, 1.5694



8.7314, 12.3689, 1.5403



8.6562, 12.3689, 46.5119



15.4097, 12.3689, 46.7931

# Sweetspot

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



15.5204, 12.3696, 1.5696



40.4458, 40.8692, 28.9229



13.6831, 6.9262, 6.4102



8.7207, 8.7471, 5.7885



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896



# Same Dimension

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



15.5204, 12.3696, 1.5696



27.2136, 21.4764, 2.7110



22.5832, 27.8322, 4.1820



6.0446, 6.3030, 6.1385



12.9047, 10.3237, 1.3125



0.1875, 0.1854, 0.0259



# Inverse Universe

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



7.6329, 6.4579, 29.6981



13.2994, 11.0546, 52.3540



5.5676, 2.2343, 28.9917



5.7061, 6.0462, 7.3360



6.3620, 5.4189, 24.6417

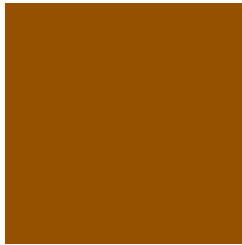


0.1068, 0.1242, 0.3112



# Previews

## White Background



This preview shows how the XYZ color 15.5201, 12.3689, 1.5694 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



## 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](#).

# XYZ 15.5201, 12.3689, 1.5694

## Background



This preview shows how black text looks on a background with the XYZ color 15.5201, 12.3689, 1.5694.



This preview shows how white text looks on a background with the XYZ color 15.5201, 12.3689,

1.5694.

# 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

15.5201, 12.3689, 1.5694

### Protanopia

11.3056, 12.5856, 2.1812

### Deuteranopia

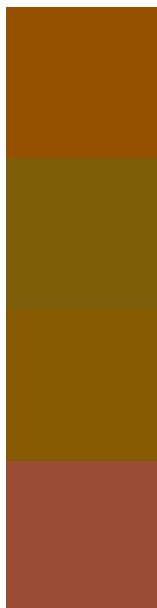
12.6069, 12.4410, 1.7369



## Tritanopia

17.1381, 12.3985, 9.2745

# Trichromacy



## Original Color

15.5201, 12.3689, 1.5694

## Protanomaly

12.5624, 12.2819, 1.9383

## Deuteranomaly

13.5641, 12.2957, 1.6584

## Tritanomaly

16.2226, 12.2311, 4.7546

# Monochromacy



## Original Color

15.5201, 12.3689, 1.5694

## Achromatopsia

10.1725, 10.7023, 11.6548

## Achromatomaly

11.0892, 10.8059, 5.6390

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.5201, 12.3689, 1.5694 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(150, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 81, 0)  
}
```

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(150, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 81, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 15.5201, 12.3689, 1.5694 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(150, 81, 0) }
```



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

```
.border{ border-color:rgb(150, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 81, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 15.5201, 12.3689, 1.5694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 81, 0) }
```

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

```
.background{ background-color: rgb(150, 81,  
0) }
```

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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