

# Converting Colors

XYZ(24.7537, 24.4823, 3.8871)

Have a look what the booklet for  
XYZ(24.7537, 24.4823, 3.8871)  
contains.

<b>XYZ(24.7311, 24.3929, 3.8568)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(24.7311, 24.3929,  
3.8568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB810F
RGB	171, 129, 15
RGB Percent	67%, 51%, 6%
CMY	0.3294, 0.4941, 0.9411
CMYK	0.00, 0.25, 0.91, 0.33
HSL	44°, 84%, 36%
HSV	44°, 91%, 67%
XYZ	24.7311, 24.3929, 3.8568
YIQ	128.5620, 61.6260, -26.5500

# Conversions

## Conversions Part 2

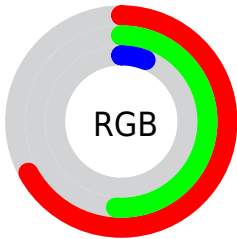
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 171, 15
Decimal	11239695
CIE <sub>Lab</sub>	56.48, 6.80, 59.28
CIE <sub>LCh</sub>	56, 59.669, 83.459
Yxy	24.3929, 0.4668, 0.4604
Android (android.graphics.Color)	4289429775 (0xFFAB810F)
YUV	128.5620, -55.9861, 37.2181
Hunter-Lab	49.3892, 2.9509, 29.9425

# Details


The XYZ color **24.7311, 24.3929, 3.8568** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **9.0111, 5.9684, 39.2050**, and the grayscale version is **20.8882, 21.9760, 23.9319**.

A 20% lighter version of the original color is **50.6311, 50.7869, 13.7909**, and **9.8081, 9.3147, 1.2810** is the 20% darker color. If you saturate the color by 10%, you get **24.1236, 23.3161, 3.2290**, and if you desaturate by 10%, it is **25.5277, 25.7048, 4.9903**.

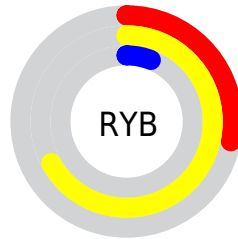
# Distribution



 Red (67%)

 Green (51%)

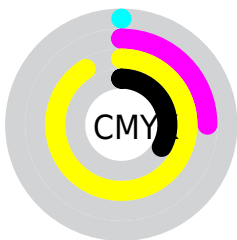
 Blue (6%)



 Red (28%)

 Yellow (67%)

 Blue (6%)

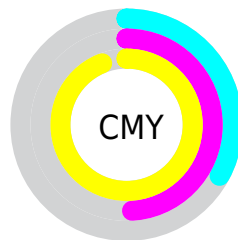



 Cyan (0%)


 Magenta (25%)

 Yellow (91%)

 Black (33%)



 Cyan (33%)

 Magenta (49%)

 Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7311, 24.3929, 3.8568 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 24.7311, 24.3929, 3.8568 by changing the saturation by 10% instead.



■ 24.7311, 24.3929,  
3.8568

■ 24.7311, 24.3929,  
3.8568

268.8685,  
274.8009, 146.6202

■ 16.0045, 15.6253,  
1.5471

■ 50.6667, 50.6706,  
13.6781

■ 9.6182, 9.2594,  
0.2527

■ 68.6064, 68.9495,  
22.0269

■ 5.2069, 4.9108,  
0.0000

■ 90.3478, 91.1677,  
33.2257

■ 2.4051, 2.1950,  
0.0000

■ 116.2564,  
117.7095, 47.6931

■ 0.8477, 0.7173,  
0.0000

■ 146.6973,  
148.9593, 65.8478

■ 0.0000, 0.0000,  
0.0000

■ 182.0361,

185.3015, 88.1081

222.6381,  
227.1206, 114.8927

24.7311, 24.3929,  
3.8568

24.7311, 24.3929,  
3.8568

24.1236, 23.3161,  
3.2290

25.5277, 25.7048,  
4.9903

26.4722, 27.1191,  
6.7681

27.5817, 28.6444,  
9.2772

28.8706, 30.2866,  
12.5907

30.3513, 32.0516,  
16.7727

■ 32.0350, 33.9441,  
21.8810

■ 33.9321, 35.9689,  
27.9682

■ 36.0521, 38.1303,  
35.0830

■ 38.4040, 40.4324,  
43.2708

# Harmonies

## Analogous

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



32.0279, 24.3929, 6.2193



24.7311, 24.3929, 3.8568



18.2880, 24.3929, 4.7139

# Triad

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



24.7311, 24.3929, 3.8568



13.0087, 24.3929, 44.7674



35.5797, 24.3929, 56.2624

# Complementary

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



24.7311, 24.3929, 3.8568



9.0111, 5.9684, 39.2050

# 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.



28.8856, 24.3929, 78.9809



24.7311, 24.3929, 3.8568



16.1405, 24.3929, 70.3538

# Square

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



24.7311, 24.3929, 3.8568



12.3325, 24.3929, 22.4574



21.7042, 24.3929, 85.1248



39.0457, 24.3929, 31.1335



# Rectangle

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



24.7311, 24.3929, 3.8568



15.1949, 24.3929, 7.4092



21.7042, 24.3929, 85.1248



33.5755, 24.3929, 64.8535

# Sweetspot

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



24.7316, 24.3941, 3.8573



58.6004, 62.1227, 43.0617



17.7602, 9.3177, 5.0281



12.8264, 13.5919, 8.8390



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



24.7316, 24.3941, 3.8573



43.0206, 41.3906, 5.7218



24.9987, 34.4956, 5.7930



8.4775, 8.9599, 8.4960



18.2308, 17.6672, 2.4492



0.5491, 0.5754, 0.0821



# Inverse Universe

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



9.0111, 5.9684, 39.2050



14.7662, 8.4689, 69.8583



8.7789, 3.9303, 38.8238



7.7478, 8.0950, 10.1068



6.3172, 3.7683, 29.4389

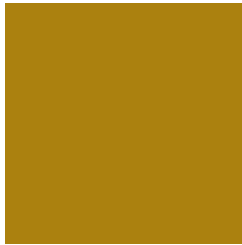


0.2212, 0.1958, 0.8341



# Previews

## White Background



This preview shows how the XYZ color 24.7311, 24.3929, 3.8568 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 XYZ color 24.7311, 24.3929, 3.8568 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](#).

**XYZ 24.7311, 24.3929, 3.8568**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.7311, 24.3929, 3.8568.



This preview shows how white text looks on a background with the XYZ color 24.7311, 24.3929,



# 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

24.7311, 24.3929, 3.8568

### Protanopia

22.0502, 24.4243, 4.1245

### Deuteranopia

24.9497, 24.5057, 3.8670



## Tritanopia

28.8104, 24.3650, 23.9533

# Trichromacy



## Original Color

24.7311, 24.3929, 3.8568

## Protanomaly

22.9859, 24.2891, 4.0071

## Deuteranomaly

24.9497, 24.5057, 3.8670

## Tritanomaly

26.5236, 23.9845, 12.4640

# Monochromacy



## Original Color

24.7311, 24.3929, 3.8568

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

21.1133, 22.3344, 12.4307

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.7311, 24.3929, 3.8568 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(171, 129, 15)` looks like.

```
.text, #text, p{  
    color:rgb(171, 129, 15)  
}
```

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(171, 129, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 129, 15) }
```

## Border

The CSS property to change the border of an element to XYZ 24.7311, 24.3929, 3.8568 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(171, 129, 15) }
```



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

```
.border{ border-color:rgb(171, 129, 15) }
```

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

Here you see how a box with a 4 pixel rgb(171, 129, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 129, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 129, 15);  
box-shadow:4px 4px 4px 4px rgb(171, 129,  
15) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.7311, 24.3929, 3.8568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 129, 15) }
```

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

```
.background{ background-color: rgb(171,  
129, 15) }
```

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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