

Converting Colors

XYZ(12.6083, 10.3710, 1.3804)

Have a look what the booklet for
XYZ(12.6083, 10.3710, 1.3804)
contains.

XYZ(12.5871, 10.3242, 1.3868)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.5871, 10.3242,
1.3868)**

Conversions

Conversions Part 1

Format	Color
Hex	874C02
RGB	135, 76, 2
RGB Percent	53%, 30%, 1%
CMY	0.4706, 0.7019, 0.9921
CMYK	0.00, 0.44, 0.99, 0.47
HSL	33°, 97%, 27%
HSV	33°, 99%, 53%
XYZ	12.5871, 10.3242, 1.3868
YIQ	85.2050, 58.9180, -10.5060

Conversions

Conversions Part 2

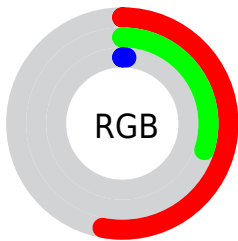
Format	Color
R_{YB}	108, 135, 2
Decimal	8866818
CIE Lab	38.42, 20.30, 47.12
CIE LCh	38, 51.303, 66.694
Yxy	10.3242, 0.5180, 0.4249
Android (android.graphics.Color)	4287056898 (0xFF874C02)
YUV	85.2050, -41.0201, 43.6702
Hunter-Lab	32.1313, 13.6958, 19.9329

Details

The XYZ color **12.5871, 10.3242, 1.3868** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.0669, 5.0995, 23.5861**, and the grayscale version is **8.7528, 9.2086, 10.0282**.

A 20% lighter version of the original color is **30.0397, 26.2902, 7.2326**, and **3.7144, 2.6422, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **12.5155, 10.1987, 1.3089**, and if you desaturate by 10%, it is **13.0982, 11.2203, 1.9464**.

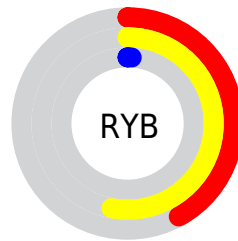
Distribution



Red (53%)

Green (30%)

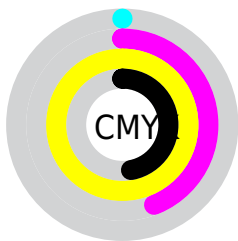
Blue (1%)



Red (42%)

Yellow (53%)

Blue (1%)

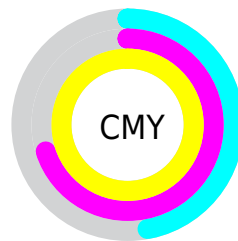


Cyan (0%)

Magenta (44%)

Yellow (99%)

Black (47%)



Cyan (47%)

Magenta (70%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5871, 10.3242, 1.3868 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 12.5871, 10.3242, 1.3868 by changing the saturation by 10% instead.

■ 12.5871, 10.3242,
1.3868

■ 12.5871, 10.3242,
1.3868

■ 201.9458,
192.9705, 111.9813

■ 7.2199, 5.6144,
0.1314

■ 30.1676, 26.4035,
7.2840

■ 3.6475, 2.6121,
0.0000

■ 43.1117, 38.5419,
12.9798

■ 1.5047, 0.9327,
0.0000

■ 59.3120, 53.9252,
21.0649

■ 0.3290, 0.0000,
0.0000

■ 79.1340, 72.9379,
31.9581


■ 0.0000, 0.0000,
0.0000


■ 102.9430, 95.9644,
46.0777


■ 131.1044,


123.3891, 63.8425


 163.9835,
155.5963, 85.6708


 12.5871, 10.3242,
1.3868


 12.5871, 10.3242,
1.3868


 12.5155, 10.1987,
1.3089

 13.0982, 11.2203,
1.9464

 13.7016, 12.2160,
2.7984

 14.4186, 13.3217,
4.0494

 15.2586, 14.5427,
5.7446

 16.2300, 15.8838,
7.9230

■ 17.3400, 17.3494,
10.6191

■ 18.5956, 18.9435,
13.8646

■ 20.0028, 20.6699,
17.6882

■ 21.5677, 22.5322,
22.1169

Harmonies

Analogous

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



15.9341, 10.3242, 3.4306



12.5871, 10.3242, 1.3868



9.0812, 10.3242, 1.0724

Triad

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



12.5871, 10.3242, 1.3868



4.7065, 10.3242, 13.5308



14.1851, 10.3242, 33.4579

Complementary

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



12.5871, 10.3242, 1.3868



6.0669, 5.0995, 23.5861

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.



10.5827, 10.3242, 41.3027



12.5871, 10.3242, 1.3868



5.5025, 10.3242, 26.2526

Square

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



12.5871, 10.3242, 1.3868



5.0077, 10.3242, 5.4101



7.4795, 10.3242, 38.1056



16.9937, 10.3242, 20.2292

Rectangle

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



12.5871, 10.3242, 1.3868



7.1952, 10.3242, 1.5042



7.4795, 10.3242, 38.1056



12.9989, 10.3242, 37.0752

Sweetspot

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



12.5873, 10.3247, 1.3870



32.7940, 33.2891, 23.4901



10.8788, 5.5405, 5.0322



7.4013, 7.4647, 4.9373



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.5873, 10.3247, 1.3870



22.2516, 17.9412, 2.2902



17.6297, 21.9486, 3.3648



4.8714, 5.0864, 4.9544



11.5544, 9.4314, 1.2115



0.0473, 0.0473, 0.0066

Inverse Universe

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



6.0669, 5.0995, 23.5861



10.5594, 8.5883, 42.1495



4.5032, 1.8486, 23.0410



4.5919, 4.8594, 5.8967



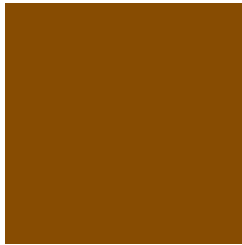
5.5300, 4.6078, 21.7346



0.0262, 0.0301, 0.0777

Previews

White Background



This preview shows how the XYZ color 12.5871, 10.3242, 1.3868 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 12.5871, 10.3242, 1.3868

Background



This preview shows how black text looks on a background with the XYZ color 12.5871, 10.3242, 1.3868.



This preview shows how white text looks on a background with the XYZ color 12.5871, 10.3242,

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

12.5871, 10.3242, 1.3868

Protanopia

9.3950, 10.3899, 1.8269

Deuteranopia

10.3980, 10.3004, 1.4401



Tritanopia

14.0390, 10.4316, 8.1110

Trichromacy



Original Color

12.5871, 10.3242, 1.3868

Protanomaly

10.4418, 10.3179, 1.6709

Deuteranomaly

11.0488, 10.1744, 1.4102

Tritanomaly

13.2534, 10.3052, 4.1963

Monochromacy



Original Color

12.5871, 10.3242, 1.3868

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.3004, 9.1940, 4.8989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5871, 10.3242, 1.3868 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(135, 76, 2)` looks like.

```
.text, #text, p{  
    color:rgb(135, 76, 2)  
}
```

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(135, 76, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 76, 2) }
```

Border

The CSS property to change the border of an element to XYZ 12.5871, 10.3242, 1.3868 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(135, 76, 2) }
```


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

```
.border{ border-color:rgb(135, 76, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 76, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 76, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 76, 2);  
box-shadow:4px 4px 4px 4px rgb(135, 76, 2)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5871, 10.3242, 1.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 76, 2) }
```

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

```
.background{ background-color: rgb(135, 76,  
2) }
```

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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