

Converting Colors

XYZ(13.3628, 12.8307, 1.7723)

Have a look what the booklet for
XYZ(13.3628, 12.8307, 1.7723)
contains.

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Color

**XYZ(13.3628, 12.8307,
1.7723)**

Conversions

Conversions Part 1

Format	Color
Hex	835E00
RGB	131, 94, 0
RGB Percent	51%, 37%, 0%
CMY	0.4863, 0.6314, 1.0000
CMYK	0.00, 0.28, 1.00, 0.49
HSL	43°, 100%, 26%
HSV	43°, 100%, 51%
XYZ	13.3628, 12.8307, 1.7723
YIQ	94.3470, 52.2260, -21.3900

Conversions

Conversions Part 2

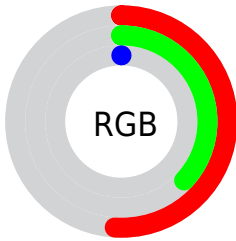
Format	Color
R_{YB}	52, 131, 0
Decimal	8609280
CIE _{Lab}	42.51, 7.80, 50.19
CIE _{LCh}	43, 50.791, 81.161
Yxy	12.8307, 0.4778, 0.4588
Android (android.graphics.Color)	4286799360 (0xFF835E00)
YUV	94.3470, -46.5131, 32.1447
Hunter-Lab	35.8200, 3.9053, 22.1404

Details

The XYZ color **13.3628, 12.8307, 1.7723** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.7584, 2.9619, 21.7935**, and the grayscale version is **10.8203, 11.3838, 12.3970**.

A 20% lighter version of the original color is **31.5017, 30.9537, 8.4520**, and **4.0374, 3.6504, 0.4918** is the 20% darker color. If you saturate the color by 10%, you get **13.3629, 12.8311, 1.7723**, and if you desaturate by 10%, it is **13.7733, 13.5346, 2.2708**.

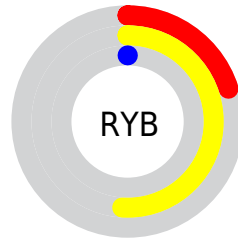
Distribution



Red (51%)

Green (37%)

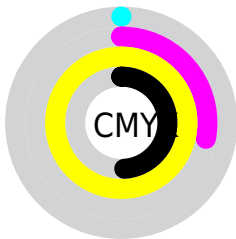
Blue (0%)



Red (20%)

Yellow (51%)

Blue (0%)

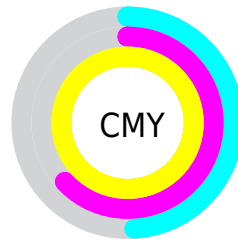


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (49%)



Cyan (49%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3628, 12.8307, 1.7723 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 13.3628, 12.8307, 1.7723 by changing the saturation by 10% instead.

■ 13.3628, 12.8307,
1.7723

■ 13.3628, 12.8307,
1.7723

■ 206.8208,
209.8298, 118.7344

■ 7.7576, 7.3121,
0.4096

■ 31.5498, 30.9993,
8.4084

■ 3.9907, 3.6580,
0.0000

■ 44.8624, 44.4180,
14.6184

■ 1.6969, 1.4842,
0.0000

■ 61.4747, 61.2390,
23.3145

■ 0.4543, 0.2775,
0.0000


■ 81.7522, 81.8464,
34.9152


■ 0.0000, 0.0000,
0.0000


■ 106.0602,
106.6249, 49.8389


■ 134.7641,


135.9586, 68.5044


 168.2292,
170.2321, 91.3300


 13.3628, 12.8307,
1.7723


 13.3628, 12.8307,
1.7723


 13.3629, 12.8311,
1.7723

 13.7733, 13.5346,
2.2708

 14.2417, 14.2866,
2.9963

 14.7934, 15.0979,
4.0806

 15.4366, 15.9721,
5.5662

 16.1786, 16.9123,
7.4898

■ 17.0257, 17.9215,
9.8839

■ 17.9836, 19.0022,
12.7777

■ 19.0577, 20.1569,
16.1984

■ 20.2528, 21.3878,
20.1708

Harmonies

Analogous

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



17.4244, 12.8307, 3.1370



13.3628, 12.8307, 1.7723



9.7239, 12.8307, 2.0851

Triad

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



13.3628, 12.8307, 1.7723



6.5334, 12.8307, 23.0570



18.8821, 12.8307, 31.8235

Complementary

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



13.3628, 12.8307, 1.7723



4.7584, 2.9619, 21.7935

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.



15.0533, 12.8307, 44.3375



13.3628, 12.8307, 1.7723



8.1333, 12.8307, 37.6970

Square

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



13.3628, 12.8307, 1.7723



6.2671, 12.8307, 10.9723



11.0977, 12.8307, 46.9179



21.0213, 12.8307, 17.4703

Rectangle

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



13.3628, 12.8307, 1.7723



7.9599, 12.8307, 3.3445



11.0977, 12.8307, 46.9179



17.7163, 12.8307, 36.6414

Sweetspot

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



13.3631, 12.8313, 1.7725



32.0789, 33.8901, 22.4914



9.6959, 4.9597, 2.2065



7.3201, 7.7248, 4.7813



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.3631, 12.8313, 1.7725



23.7951, 22.7074, 3.1288



13.6660, 19.0935, 2.9653



4.9315, 5.2067, 4.9744



13.1562, 12.6349, 1.7454



0.0518, 0.0562, 0.0081

Inverse Universe

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



4.7584, 2.9619, 21.7935



8.4037, 5.0692, 38.9887



4.5863, 1.8912, 21.5959



4.5337, 4.7430, 5.8773



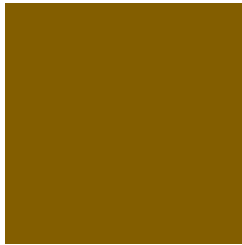
4.6858, 2.9194, 21.4532



0.0218, 0.0212, 0.0762

Previews

White Background



This preview shows how the XYZ color 13.3628, 12.8307, 1.7723 looks on a white background.

Color Contrast Check

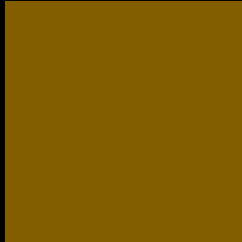
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 13.3628, 12.8307, 1.7723 looks on a 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 13.3628, 12.8307, 1.7723

Background



This preview shows how black text looks on a background with the XYZ color 13.3628, 12.8307, 1.7723.



This preview shows how white text looks on a background with the XYZ color 13.3628, 12.8307,

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

13.3628, 12.8307, 1.7723

Protanopia

11.6369, 12.9023, 2.1068

Deuteranopia

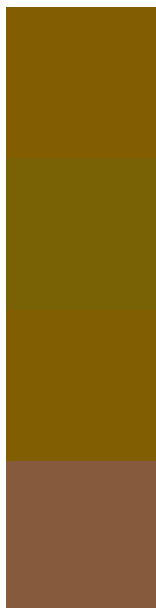
13.0850, 12.9549, 1.8109



Tritanopia

15.4202, 12.7754, 12.2428

Trichromacy



Original Color

13.3628, 12.8307, 1.7723

Protanomaly

12.1408, 12.7394, 1.9626

Deuteranomaly

13.1455, 12.8515, 1.7878

Tritanomaly

14.3033, 12.7069, 5.9738

Monochromacy



Original Color

13.3628, 12.8307, 1.7723

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.8817, 11.4575, 5.9129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3628, 12.8307, 1.7723 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(131, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(131, 94, 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(131, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 94, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.3628, 12.8307, 1.7723 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(131, 94, 0) }
```


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

```
.border{ border-color:rgb(131, 94, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 94, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(131, 94, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3628, 12.8307, 1.7723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 94, 0) }
```

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

```
.background{ background-color: rgb(131, 94,  
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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