

Converting Colors

XYZ(12.2896, 10.3135, 1.3430)

Have a look what the booklet for
XYZ(12.2896, 10.3135, 1.3430)
contains.

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Color

**XYZ(12.3267, 10.2943,
1.3373)**

Conversions

Conversions Part 1

Format	Color
Hex	854D00
RGB	133, 77, 0
RGB Percent	52%, 30%, 0%
CMY	0.4784, 0.6980, 1.0000
CMYK	0.00, 0.42, 1.00, 0.48
HSL	35°, 100%, 26%
HSV	35°, 100%, 52%
XYZ	12.3267, 10.2943, 1.3373
YIQ	84.9660, 58.0930, -12.0750

Conversions

Conversions Part 2

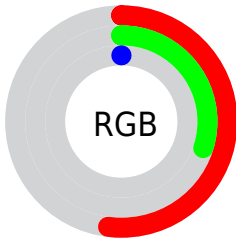
Format	Color
R_{YB}	97, 133, 0
Decimal	8736000
CIE Lab	38.37, 18.75, 47.59
CIE LCh	38, 51.151, 68.491
Yxy	10.2943, 0.5145, 0.4297
Android (android.graphics.Color)	4286926080 (0xFF854D00)
YUV	84.9660, -41.8882, 42.1258
Hunter-Lab	32.0847, 12.4300, 19.9881

Details

The XYZ color **12.3267, 10.2943, 1.3373** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.6477, 4.5216, 22.7651**, and the grayscale version is **8.7043, 9.1576, 9.9726**.

A 20% lighter version of the original color is **29.6363, 26.2739, 7.1238**, and **3.5771, 2.6108, 0.3154** is the 20% darker color. If you saturate the color by 10%, you get **12.3268, 10.2947, 1.3374**, and if you desaturate by 10%, it is **12.8104, 11.1424, 1.8666**.

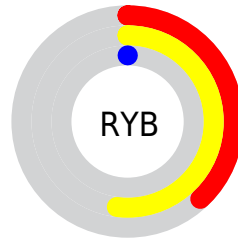
Distribution



Red (52%)

Green (30%)

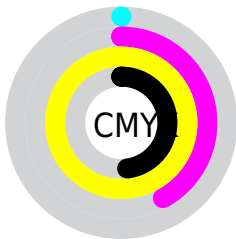
Blue (0%)



Red (38%)

Yellow (52%)

Blue (0%)

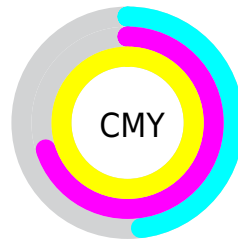


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (48%)



Cyan (48%)

Magenta (70%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3267, 10.2943, 1.3373 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 12.3267, 10.2943, 1.3373 by changing the saturation by 10% instead.

■ 12.3267, 10.2943,
1.3373

■ 12.3267, 10.2943,
1.3373

■ 200.2823,
192.7598, 111.0480

■ 7.0404, 5.5945,
0.0921

■ 29.7005, 26.3476,
7.1337

■ 3.5339, 2.6001,
0.0000

■ 42.5186, 38.4699,
12.7585

■ 1.4420, 0.9267,
0.0000

■ 58.5780, 53.8352,
20.7591

■ 0.2858, 0.0000,
0.0000


■ 78.2441, 72.8278,
31.5541


■ 0.0000, 0.0000,
0.0000


■ 101.8823, 95.8322,
45.5619


■ 129.8578,


123.2327, 63.2011


 162.5360,
155.4138, 84.8903


 12.3267, 10.2943,
1.3373


 12.3267, 10.2943,
1.3373


 12.3268, 10.2947,
1.3374

 12.8104, 11.1424,
1.8666

 13.3724, 12.0767,
2.6392

 14.0393, 13.1095,
3.7892

 14.8201, 14.2456,
5.3612

 15.7228, 15.4894,
7.3933

■ 16.7545, 16.8449,
9.9195

■ 17.9217, 18.3159,
12.9704

■ 19.2304, 19.9057,
16.5742

■ 20.6861, 21.6178,
20.7570

Harmonies

Analogous

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



15.7051, 10.2943, 3.2277



12.3267, 10.2943, 1.3373



8.8685, 10.2943, 1.0929

Triad

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



12.3267, 10.2943, 1.3373



4.7170, 10.2943, 14.1424



14.3386, 10.2943, 32.5798

Complementary

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



12.3267, 10.2943, 1.3373



5.6477, 4.5216, 22.7651

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.



10.7613, 10.2943, 40.9156



12.3267, 10.2943, 1.3373



5.5774, 10.2943, 26.9480

Square

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



12.3267, 10.2943, 1.3373



4.9519, 10.2943, 5.7371



7.6182, 10.2943, 38.4156



17.0381, 10.2943, 19.3728

Rectangle

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



12.3267, 10.2943, 1.3373



7.0352, 10.2943, 1.5795



7.6182, 10.2943, 38.4156



13.1702, 10.2943, 36.3085

Sweetspot

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



12.3269, 10.2948, 1.3375



31.9437, 32.6137, 22.8230



10.4272, 5.2883, 4.4256



7.0233, 7.1312, 4.6824



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.



12.3269, 10.2948, 1.3375



21.9172, 18.1201, 2.3424



16.7188, 21.0698, 3.1858



4.8798, 5.1031, 4.9572



11.7498, 9.8221, 1.2766



0.0479, 0.0485, 0.0068

Inverse Universe

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



5.6477, 4.5216, 22.7651



9.9645, 7.7985, 40.7185



4.3446, 1.7507, 22.2989



4.5837, 4.8430, 5.8939



5.3872, 4.3221, 21.6870



0.0256, 0.0289, 0.0775

Previews

White Background



This preview shows how the XYZ color 12.3267, 10.2943, 1.3373 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 12.3267, 10.2943, 1.3373 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 12.3267, 10.2943, 1.3373

Background



This preview shows how black text looks on a background with the XYZ color 12.3267, 10.2943, 1.3373.



This preview shows how white text looks on a background with the XYZ color 12.3267, 10.2943,

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

12.3267, 10.2943, 1.3373

Protanopia

9.3894, 10.3877, 1.7973

Deuteranopia

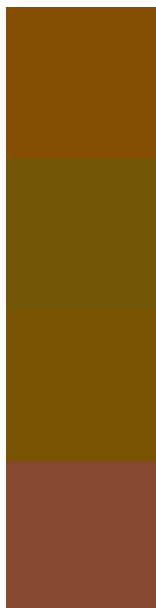
10.3980, 10.3004, 1.4401



Tritanopia

13.8103, 10.4048, 8.3016

Trichromacy



Original Color

12.3267, 10.2943, 1.3373

Protanomaly

10.3001, 10.2461, 1.6071

Deuteranomaly

11.1193, 10.3241, 1.4067

Tritanomaly

12.9948, 10.2702, 4.2032

Monochromacy



Original Color

12.3267, 10.2943, 1.3373

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.1626, 9.1257, 4.7685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3267, 10.2943, 1.3373 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(133, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 77, 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(133, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 77, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.3267, 10.2943, 1.3373 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(133, 77, 0) }
```


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

```
.border{ border-color:rgb(133, 77, 0) }
```

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

Here you see how a box with a 4 pixel rgb(133, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 77, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.3267, 10.2943, 1.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 77, 0) }
```

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

```
.background{ background-color: rgb(133, 77,  
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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