

Converting Colors

XYZ(11.7779, 10.0159, 0.0000)

Have a look what the booklet for
XYZ(11.7779, 10.0159, 0.0000)
contains.

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Color

**XYZ(12.0139, 10.1330,
1.3227)**

Conversions

Conversions Part 1

Format	Color
Hex	834D00
RGB	131, 77, 0
RGB Percent	51%, 30%, 0%
CMY	0.4863, 0.6980, 1.0000
CMYK	0.00, 0.41, 1.00, 0.49
HSL	35°, 100%, 26%
HSV	35°, 100%, 51%
XYZ	12.0139, 10.1330, 1.3227
YIQ	84.3680, 56.9010, -12.4990

Conversions

Conversions Part 2

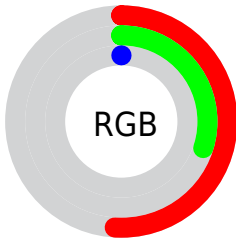
Format	Color
RYB	92, 131, 0
Decimal	8604928
CIELab	38.08, 17.83, 47.27
CIELCh	38, 50.515, 69.336
Yxy	10.1330, 0.5119, 0.4318
Android (android.graphics.Color)	4286795008 (0xFF834D00)
YUV	84.3680, -41.5934, 40.8963
Hunter-Lab	31.8324, 11.6613, 19.8190

Details

The XYZ color **12.0139, 10.1330, 1.3227** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.4159, 4.2770, 22.0126**, and the grayscale version is **8.5786, 9.0254, 9.8287**.

A 20% lighter version of the original color is **29.1367, 26.0164, 7.1004**, and **3.4182, 2.5289, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **12.0140, 10.1333, 1.3227**, and if you desaturate by 10%, it is **12.4811, 10.9502, 1.8401**.

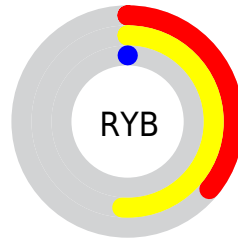
Distribution



Red (51%)

Green (30%)

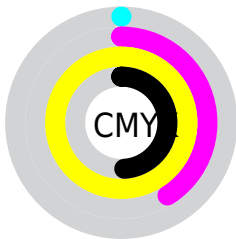
Blue (0%)



Red (36%)

Yellow (51%)

Blue (0%)

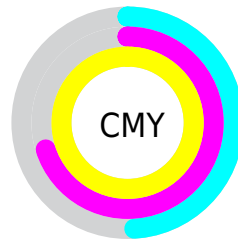


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (49%)



Cyan (49%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0139, 10.1330, 1.3227 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 12.0139, 10.1330, 1.3227 by changing the saturation by 10% instead.


 12.0139, 10.1330,
1.3227


 12.0139, 10.1330,
1.3227


 198.2653,
191.6187, 110.7693


 6.8254, 5.4872,
0.0803


 29.1371, 26.0454,
7.0891


 3.3985, 2.5359,
0.0000

 41.8024, 38.0807,
12.6927


 1.3678, 0.8945,
0.0000

 57.6908, 53.3481,
20.6681

 0.2331, 0.0000,
0.0000

 77.1676, 72.2319,
31.4337


 0.0000, 0.0000,
0.0000


 100.5980, 95.1164,
45.4081


 128.3476,


122.3861, 63.0098


 160.7816,
154.4254, 84.6573


 12.0139, 10.1330,
1.3227


 12.0139, 10.1330,
1.3227


 12.0140, 10.1333,
1.3227

 12.4811, 10.9502,
1.8401

 13.0223, 11.8479,
2.5898

 13.6634, 12.8381,
3.7039

 14.4132, 13.9254,
5.2250

 15.2793, 15.1139,
7.1899

■ 16.2685, 16.4073,
9.6313

■ 17.3870, 17.8091,
12.5786

■ 18.6404, 19.3226,
16.0590

■ 20.0342, 20.9509,
20.0976

Harmonies

Analogous

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



15.3310, 10.1330, 3.1230



12.0139, 10.1330, 1.3227



8.6506, 10.1330, 1.1122

Triad

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



12.0139, 10.1330, 1.3227



4.6797, 10.1330, 14.2055



14.1702, 10.1330, 31.5259

Complementary

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



12.0139, 10.1330, 1.3227



5.4159, 4.2770, 22.0126

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.



10.6830, 10.1330, 39.8728



12.0139, 10.1330, 1.3227



5.5547, 10.1330, 26.7502

Square

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



12.0139, 10.1330, 1.3227



4.8802, 10.1330, 5.8379



7.5863, 10.1330, 37.7542



16.7579, 10.1330, 18.6479

Rectangle

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



12.0139, 10.1330, 1.3227



6.8776, 10.1330, 1.6214



7.5863, 10.1330, 37.7542



13.0360, 10.1330, 35.2110

Sweetspot

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



12.0141, 10.1335, 1.3229



30.9897, 31.7117, 22.1283



10.0397, 5.0972, 4.0173



7.0416, 7.1679, 4.6885



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.



12.0141, 10.1335, 1.3229



21.3601, 17.8375, 2.3172



15.8735, 20.2314, 3.0686



4.8830, 5.1096, 4.9583



11.8287, 9.9801, 1.3029



0.0482, 0.0490, 0.0069

Inverse Universe

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



5.4159, 4.2770, 22.0126



9.5531, 7.3681, 39.3718



4.2337, 1.7094, 21.5793



4.5805, 4.8365, 5.8929



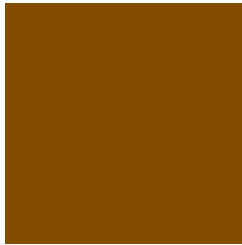
5.3335, 4.2149, 21.6691



0.0254, 0.0284, 0.0774

Previews

White Background



This preview shows how the XYZ color 12.0139, 10.1330, 1.3227 looks on a white background.

Color Contrast Check

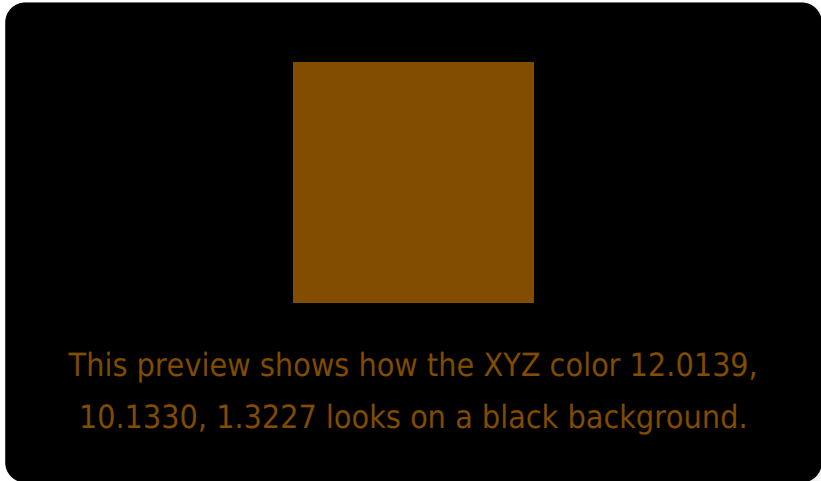
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0139, 10.1330, 1.3227

Background



This preview shows how black text looks on a background with the XYZ color 12.0139, 10.1330, 1.3227.



This preview shows how white text looks on a background with the XYZ color 12.0139, 10.1330,

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

12.0139, 10.1330, 1.3227

Protanopia

9.2754, 10.3289, 1.7920

Tritanopia

13.4884, 10.2389, 8.2866

Trichromacy



Original Color

12.0139, 10.1330, 1.3227

Protanomaly

10.1707, 10.1794, 1.6011

Tritanomaly

12.6760, 10.1059, 4.1883

Monochromacy



Original Color

12.0139, 10.1330, 1.3227

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.9519, 8.9086, 4.6159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0139, 10.1330, 1.3227 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, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 77, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.0139, 10.1330, 1.3227 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, 77, 0) }
```

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

```
.border{ border-color:rgb(131, 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(131, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(131, 77, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 12.0139, 10.1330, 1.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 77, 0) }
```

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

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