

Converting Colors

XYZ(13.0706, 12.4163, 1.7077)

Have a look what the booklet for
XYZ(13.0706, 12.4163, 1.7077)
contains.

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Color

**XYZ(13.0331, 12.4001,
1.7065)**

Conversions

Conversions Part 1

Format	Color
Hex	825C00
RGB	130, 92, 0
RGB Percent	51%, 36%, 0%
CMY	0.4902, 0.6392, 1.0000
CMYK	0.00, 0.29, 1.00, 0.49
HSL	42°, 100%, 25%
HSV	42°, 100%, 51%
XYZ	13.0331, 12.4001, 1.7065
YIQ	92.8740, 52.1800, -20.5560

Conversions

Conversions Part 2

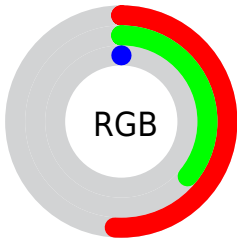
Format	Color
R_{YB}	54, 130, 0
Decimal	8543232
CIE _{Lab}	41.85, 8.50, 49.68
CIE _{LCh}	42, 50.404, 80.290
Yxy	12.4001, 0.4802, 0.4569
Android (android.graphics.Color)	4286733312 (0xFF825C00)
YUV	92.8740, -45.7869, 32.5595
Hunter-Lab	35.2138, 4.4412, 21.7764

Details

The XYZ color **13.0331, 12.4001, 1.7065** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.7224, 2.9979, 21.4488**, and the grayscale version is **10.4703, 11.0156, 11.9960**.

A 20% lighter version of the original color is **30.9302, 30.2163, 8.2051**, and **3.9182, 3.5289, 0.4746** is the 20% darker color. If you saturate the color by 10%, you get **13.0333, 12.4006, 1.7066**, and if you desaturate by 10%, it is **13.4435, 13.1048, 2.2018**.

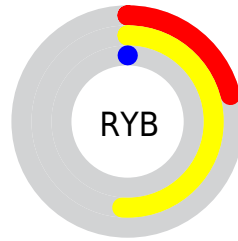
Distribution



Red (51%)

Green (36%)

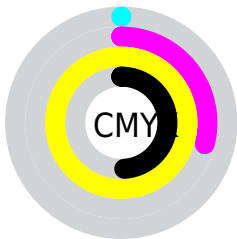
Blue (0%)



Red (21%)

Yellow (51%)

Blue (0%)

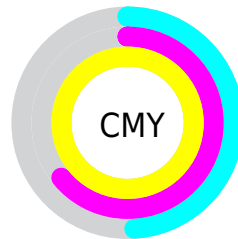


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (49%)



Cyan (49%)


Magenta (64%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0331, 12.4001, 1.7065 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 13.0331, 12.4001, 1.7065 by changing the saturation by 10% instead.


 13.0331, 12.4001,
1.7065


 13.0331, 12.4001,
1.7065


 204.7630,
207.0364, 117.6387


 7.5285, 7.0168,
0.3652


 30.9640, 30.2217,
8.2217


 3.8440, 3.4726,
0.0000


 44.1211, 43.4288,
14.3481

 1.6143, 1.3832,
0.0000

 60.5597, 60.0127,
22.9452

 0.4017, 0.2043,
0.0000


 80.6452, 80.3576,
34.4314


 0.0000, 0.0000,
0.0000


 104.7429,
104.8480, 49.2253


 133.2182,


133.8684, 67.7455


 166.4364,
167.8030, 90.4104


 13.0331, 12.4001,
1.7065


 13.0331, 12.4001,
1.7065


 13.0333, 12.4006,
1.7066

 13.4435, 13.1048,
2.2018

 13.9116, 13.8588,
2.9193

 14.4626, 14.6731,
3.9897

 15.1046, 15.5514,
5.4548

 15.8448, 16.4969,
7.3506

■ 16.6893, 17.5123,
9.7089

■ 17.6439, 18.6002,
12.5585

■ 18.7137, 19.7632,
15.9259

■ 19.9036, 21.0034,
19.8356

Harmonies

Analogous

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



16.9679, 12.4001, 3.0829



13.0331, 12.4001, 1.7065



9.4770, 12.4001, 1.9645

Triad

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



13.0331, 12.4001, 1.7065



6.2725, 12.4001, 21.9169



18.1841, 12.4001, 31.2582

Complementary

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



13.0331, 12.4001, 1.7065



4.7224, 2.9979, 21.4488

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.



14.4424, 12.4001, 43.2421



13.0331, 12.4001, 1.7065



7.7836, 12.4001, 36.1655

Square

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



13.0331, 12.4001, 1.7065



6.0512, 12.4001, 10.3348



10.6210, 12.4001, 45.3995



20.3284, 12.4001, 17.2570

Rectangle

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



13.0331, 12.4001, 1.7065



7.7417, 12.4001, 3.1329



10.6210, 12.4001, 45.3995



17.0386, 12.4001, 35.9095

Sweetspot

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



13.0334, 12.4007, 1.7067



30.9513, 32.6217, 21.7457



9.5722, 4.8924, 2.3595



6.8682, 7.2291, 4.5057



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.0334, 12.4007, 1.7067



22.8221, 21.5772, 2.9620



13.6916, 18.9083, 2.9281



4.5625, 4.8137, 4.6088



12.5029, 11.9023, 1.6384



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.7224, 2.9979, 21.4488



8.2022, 5.0511, 37.7351



4.4554, 1.8314, 21.2377



4.2034, 4.4007, 5.4412



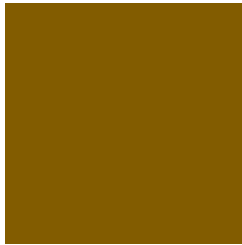
4.5333, 2.8852, 20.5679



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.0331, 12.4001, 1.7065 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 13.0331, 12.4001, 1.7065

Background



This preview shows how black text looks on a background with the XYZ color 13.0331, 12.4001, 1.7065.



This preview shows how white text looks on a background with the XYZ color 13.0331, 12.4001,

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

13.0331, 12.4001, 1.7065

Protanopia

11.1878, 12.3860, 2.0308

Deuteranopia

12.4602, 12.3654, 1.7300



Tritanopia

15.0911, 12.4966, 11.7419

Trichromacy



Original Color

13.0331, 12.4001, 1.7065

Protanomaly

11.8180, 12.2986, 1.8946

Deuteranomaly

12.6667, 12.3407, 1.7144

Tritanomaly

13.9520, 12.2818, 5.7729

Monochromacy



Original Color

13.0331, 12.4001, 1.7065

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.6476, 11.2086, 5.7400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0331, 12.4001, 1.7065 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(130, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 92, 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(130, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 92, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.0331, 12.4001, 1.7065 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(130, 92, 0) }
```


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

```
.border{ border-color:rgb(130, 92, 0) }
```

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

Here you see how a box with a 4 pixel rgb(130, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 92, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.0331, 12.4001, 1.7065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 92, 0) }
```

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

```
.background{ background-color: rgb(130, 92,  
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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