

Converting Colors

XYZ(13.6598, 11.8341, 1.5643)

Have a look what the booklet for
XYZ(13.6598, 11.8341, 1.5643)
contains.

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Color

**XYZ(13.7297, 11.9003,
1.5733)**

Conversions

Conversions Part 1

Format	Color
Hex	8A5500
RGB	138, 85, 0
RGB Percent	54%, 33%, 0%
CMY	0.4588, 0.6666, 1.0000
CMYK	0.00, 0.38, 1.00, 0.46
HSL	37°, 100%, 27%
HSV	37°, 100%, 54%
XYZ	13.7297, 11.9003, 1.5733
YIQ	91.1570, 58.8730, -15.1990

Conversions

Conversions Part 2

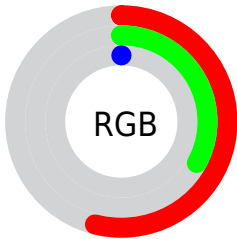
Format	Color
RYB	86, 138, 0
Decimal	9065728
CIELab	41.06, 16.41, 49.66
CIELCh	41, 52.303, 71.713
Yxy	11.9003, 0.5047, 0.4375
Android (android.graphics.Color)	4287255808 (0xFF8A5500)
YUV	91.1570, -44.9404, 41.0813
Hunter-Lab	34.4968, 10.6734, 21.4437

Details

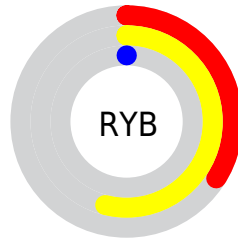
The XYZ color **13.7297, 11.9003, 1.5733** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.8604, 4.3809, 24.5812**, and the grayscale version is **10.0698, 10.5943, 11.5371**.

A 20% lighter version of the original color is **32.1674, 29.3591, 7.8424**, and **4.2385, 3.3114, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **13.7299, 11.9008, 1.5734**, and if you desaturate by 10%, it is **14.2409, 12.7981, 2.1282**.

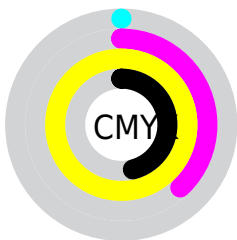
Distribution



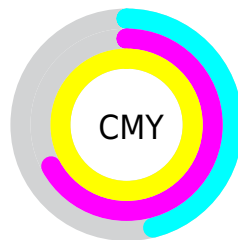
- Red (54%)
- Green (33%)
- Blue (0%)



- Red (34%)
- Yellow (54%)
- Blue (0%)



- Cyan (0%)
- Magenta (38%)
- Yellow (100%)
- Black (46%)





- Cyan (46%)
- Magenta (67%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7297, 11.9003, 1.5733 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 13.7297, 11.9003, 1.5733 by changing the saturation by 10% instead.


 13.7297, 11.9003,
1.5733


 13.7297, 11.9003,
1.5733


 209.0872,
203.7441, 115.3533


 8.0133, 6.6758,
0.2717


 32.1989, 29.3134,
7.8375

 4.1554, 3.2602,
0.0000

 45.6825, 42.2708,
13.7897


 1.7904, 1.2690,
0.0000

 62.4859, 58.5746,
22.1801

 0.5119, 0.1170,
0.0000

 82.9745, 78.6093,
33.4272


 0.0000, 0.0000,
0.0000


 107.5135,
102.7592, 47.9496


 136.4684,


131.4087, 66.1657


 170.2045,
164.9422, 88.4941


 13.7297, 11.9003,
1.5733


 13.7297, 11.9003,
1.5733


 13.7299, 11.9008,
1.5734

 14.2409, 12.7981,
2.1282

 14.8328, 13.7787,
2.9516

 15.5327, 14.8547,
4.1834

 16.3505, 16.0309,
5.8723

 17.2947, 17.3117,
8.0604

■ 18.3730, 18.7011,
10.7848

■ 19.5922, 20.2028,
14.0790

■ 20.9587, 21.8203,
17.9738

■ 22.4785, 23.5567,
22.4977

Harmonies

Analogous

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



17.5983, 11.9003, 3.4968



13.7297, 11.9003, 1.5733



9.9082, 11.9003, 1.4276

Triad

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



13.7297, 11.9003, 1.5733



5.6141, 11.9003, 17.6221



16.8242, 11.9003, 35.3184

Complementary

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



13.7297, 11.9003, 1.5733



5.8604, 4.3809, 24.5812

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.



12.8400, 11.9003, 45.5578



13.7297, 11.9003, 1.5733



6.7339, 11.9003, 32.1480

Square

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



13.7297, 11.9003, 1.5733



5.7494, 11.9003, 7.4942



9.1943, 11.9003, 44.1540



19.6395, 11.9003, 20.5844

Rectangle

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



13.7297, 11.9003, 1.5733



7.9258, 11.9003, 2.1290



9.1943, 11.9003, 44.1540



15.5441, 11.9003, 39.6896

Sweetspot

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



13.7300, 11.9009, 1.5735



34.3894, 35.4353, 24.4125



11.1755, 5.6810, 4.1473



7.5330, 7.7282, 4.9813



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.



13.7300, 11.9009, 1.5735



24.0457, 20.6656, 2.7215



17.4294, 22.4767, 3.4199



5.2724, 5.5277, 5.3415



12.6029, 10.9402, 1.4474



0.0979, 0.1011, 0.0144

Inverse Universe

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



5.8604, 4.3809, 24.5812



10.1867, 7.4354, 43.2815



4.7655, 1.9268, 24.1652



4.9219, 5.1867, 6.3476



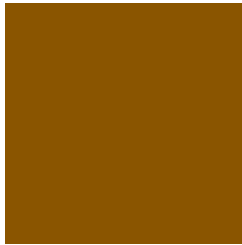
5.3865, 4.0433, 22.5422



0.0492, 0.0537, 0.1542

Previews

White Background



This preview shows how the XYZ color 13.7297, 11.9003, 1.5733 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 13.7297, 11.9003, 1.5733

Background



This preview shows how black text looks on a background with the XYZ color 13.7297, 11.9003, 1.5733.



This preview shows how white text looks on a background with the XYZ color 13.7297, 11.9003,

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

13.7297, 11.9003, 1.5733

Protanopia

10.8529, 12.0723, 2.0453

Deuteranopia

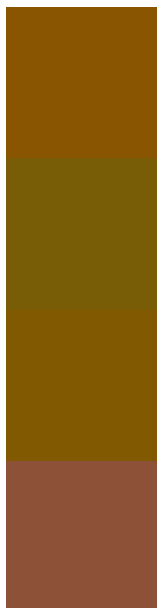
11.9955, 11.8652, 1.6580



Tritanopia

15.4202, 11.9106, 10.0806

Trichromacy



Original Color

13.7297, 11.9003, 1.5733

Protanomaly

11.6930, 11.8349, 1.8404

Deuteranomaly

12.4745, 11.7340, 1.6074

Tritanomaly

14.4235, 11.7267, 4.9933

Monochromacy



Original Color

13.7297, 11.9003, 1.5733

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.5204, 10.6384, 5.5019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7297, 11.9003, 1.5733 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(138, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 85, 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(138, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 85, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.7297, 11.9003, 1.5733 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(138, 85, 0) }
```


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

```
.border{ border-color:rgb(138, 85, 0) }
```

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

Here you see how a box with a 4 pixel rgb(138, 85, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 85, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.7297, 11.9003, 1.5733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 85, 0) }
```

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

```
.background{ background-color: rgb(138, 85,  
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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