

Converting Colors

XYZ(13.8889, 12.4631, 1.6736)

Have a look what the booklet for
XYZ(13.8889, 12.4631, 1.6736)
contains.

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Color

**XYZ(13.8889, 12.4631,
1.6736)**

Conversions

Conversions Part 1

Format	Color
Hex	895900
RGB	137, 89, 0
RGB Percent	54%, 35%, 0%
CMY	0.4627, 0.6510, 1.0000
CMYK	0.00, 0.35, 1.00, 0.46
HSL	39°, 100%, 27%
HSV	39°, 100%, 54%
XYZ	13.8889, 12.4631, 1.6736
YIQ	93.2060, 57.1770, -17.5030

Conversions

Conversions Part 2

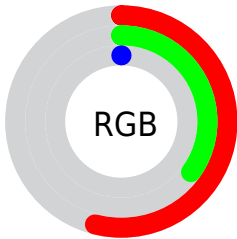
Format	Color
R_YB	74, 137, 0
Decimal	9001216
CIE _{Lab}	41.94, 13.60, 50.17
CIE _{LCh}	42, 51.986, 74.830
Yxy	12.4631, 0.4956, 0.4447
Android (android.graphics.Color)	4287191296 (0xFF895900)
YUV	93.2060, -45.9506, 38.4073
Hunter-Lab	35.3031, 8.4448, 21.9014

Details

The XYZ color **13.8889, 12.4631, 1.6736** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.5723, 3.9201, 24.1297**, and the grayscale version is **10.5478, 11.0972, 12.0848**.

A 20% lighter version of the original color is **32.5020, 30.3728, 8.1525**, and **4.2940, 3.5507, 0.4590** is the 20% darker color. If you saturate the color by 10%, you get **13.8890, 12.4635, 1.6737**, and if you desaturate by 10%, it is **14.3790, 13.3198, 2.2181**.

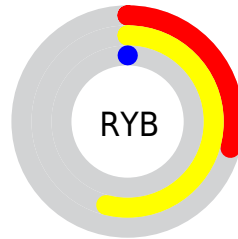
Distribution



Red (54%)

Green (35%)

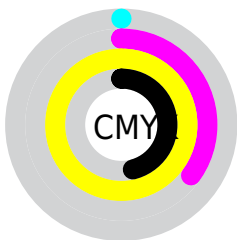
Blue (0%)



Red (29%)

Yellow (54%)

Blue (0%)

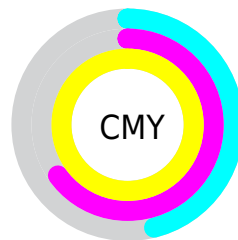


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (46%)



Cyan (46%)


Magenta (65%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8889, 12.4631, 1.6736 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 13.8889, 12.4631, 1.6736 by changing the saturation by 10% instead.


 13.8889, 12.4631,
1.6736


 13.8889, 12.4631,
1.6736


 210.0630,
207.4475, 117.0829


 8.1246, 7.0599,
0.3425


 32.4797, 30.3358,
8.1276

 4.2273, 3.4996,
0.0000

 46.0369, 43.5741,
14.2116


 1.8315, 1.3978,
0.0000

 62.9225, 60.1928,
22.7584

 0.5365, 0.2151,
0.0000

 83.5017, 80.5764,
34.1865


 0.0000, 0.0000,
0.0000


 108.1401,
105.1093, 48.9145


 137.2028,


134.1758, 67.3609


 171.0554,
168.1604, 89.9441


 13.8889, 12.4631,
1.6736


 13.8889, 12.4631,
1.6736


 13.8890, 12.4635,
1.6737

 14.3790, 13.3198,
2.2181

 14.9433, 14.2480,
3.0242

 15.6089, 15.2600,
4.2302

 16.3853, 16.3602,
5.8841

 17.2807, 17.5527,
8.0271

■ 18.3024, 18.8410,
10.6955

■ 19.4570, 20.2284,
13.9222

■ 20.7508, 21.7182,
17.7374

■ 22.1893, 23.3132,
22.1692

Harmonies

Analogous

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



17.9044, 12.4631, 3.4441



13.8889, 12.4631, 1.6736



10.0516, 12.4631, 1.6655

Triad

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



13.8889, 12.4631, 1.6736



6.0374, 12.4631, 19.7465



17.8634, 12.4631, 34.8213

Complementary

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



13.8889, 12.4631, 1.6736



5.5723, 3.9201, 24.1297

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.



13.8417, 12.4631, 46.0783



13.8889, 12.4631, 1.6736



7.3361, 12.4631, 34.6546

Square

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



13.8889, 12.4631, 1.6736



6.0447, 12.4631, 8.7470



10.0136, 12.4631, 46.0047



20.5154, 12.4631, 19.9032

Rectangle

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



13.8889, 12.4631, 1.6736



8.1034, 12.4631, 2.5510



10.0136, 12.4631, 46.0047



16.5927, 12.4631, 39.4452

Sweetspot

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



13.8892, 12.4637, 1.6738



34.6991, 36.0548, 24.5157



10.8973, 5.5508, 3.5414



7.6093, 7.8807, 5.0067



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.



13.8892, 12.4637, 1.6738



24.7162, 22.0066, 2.9450



16.5168, 21.7943, 3.3363



5.2861, 5.5549, 5.3460



12.9491, 11.6327, 1.5628



0.0998, 0.1048, 0.0150

Inverse Universe

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



5.5723, 3.9201, 24.1297



9.8381, 6.7384, 43.1653



4.7699, 1.9374, 23.7893



4.9087, 5.1603, 6.3432



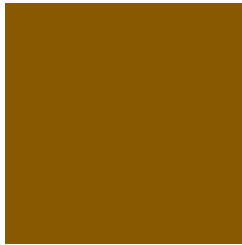
5.2009, 3.6722, 22.4804



0.0473, 0.0500, 0.1536

Previews

White Background



This preview shows how the XYZ color 13.8889, 12.4631, 1.6736 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 13.8889, 12.4631, 1.6736 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 13.8889, 12.4631, 1.6736

Background



This preview shows how black text looks on a background with the XYZ color 13.8889, 12.4631, 1.6736.



This preview shows how white text looks on a background with the XYZ color 13.8889, 12.4631,

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

13.8889, 12.4631, 1.6736

Protanopia

11.2940, 12.5810, 2.1203

Deuteranopia

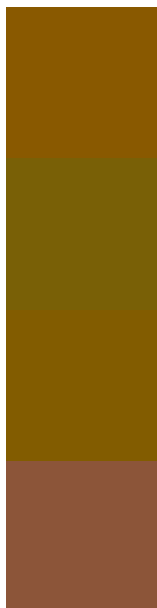
12.6069, 12.4410, 1.7369



Tritanopia

15.8809, 12.5705, 11.0405

Trichromacy



Original Color

13.8889, 12.4631, 1.6736

Protanomaly

12.1009, 12.4438, 1.9364

Deuteranomaly

13.0331, 12.4001, 1.7065

Tritanomaly

14.8022, 12.3679, 5.4780

Monochromacy



Original Color

13.8889, 12.4631, 1.6736

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.9232, 11.2213, 5.7279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8889, 12.4631, 1.6736 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(137, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(137, 89, 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(137, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 89, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.8889, 12.4631, 1.6736 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(137, 89, 0) }
```


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

```
.border{ border-color:rgb(137, 89, 0) }
```

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

Here you see how a box with a 4 pixel rgb(137, 89, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(137, 89, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.8889, 12.4631, 1.6736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 89, 0) }
```

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

```
.background{ background-color: rgb(137, 89,  
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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