

Converting Colors

XYZ(13.0186, 13.9114, 1.9990)

Have a look what the booklet for
XYZ(13.0186, 13.9114, 1.9990)
contains.

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Color

**XYZ(13.0186, 13.9114,
1.9990)**

Conversions

Conversions Part 1

Format	Color
Hex	7B6700
RGB	123, 103, 0
RGB Percent	48%, 40%, 0%
CMY	0.5176, 0.5961, 1.0000
CMYK	0.00, 0.16, 1.00, 0.52
HSL	50°, 100%, 24%
HSV	50°, 100%, 48%
XYZ	13.0186, 13.9114, 1.9990
YIQ	97.2380, 44.9830, -27.7930

Conversions

Conversions Part 2

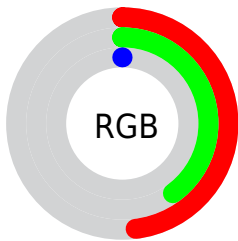
Format	Color
R_{YB}	24, 123, 0
Decimal	8087296
CIE Lab	44.11, -1.34, 50.87
CIE LCh	44, 50.887, 91.506
Yxy	13.9114, 0.4500, 0.4809
Android (android.graphics.Color)	4286277376 (0xFF7B6700)
YUV	97.2380, -47.9383, 22.5933
Hunter-Lab	37.2980, -2.9673, 22.9309

Details

The XYZ color **13.0186, 13.9114, 1.9990** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.8254, 1.9304, 18.9097**, and the grayscale version is **11.5280, 12.1283, 13.2077**.

A 20% lighter version of the original color is **30.9616, 33.0212, 9.0168**, and **3.9889, 4.2283, 0.6059** is the 20% darker color. If you saturate the color by 10%, you get **13.0188, 13.9119, 1.9991**, and if you desaturate by 10%, it is **13.2884, 14.3420, 2.4256**.

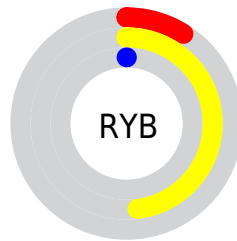
Distribution



Red (48%)

Green (40%)

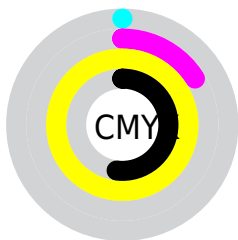
Blue (0%)



Red (9%)

Yellow (48%)

Blue (0%)

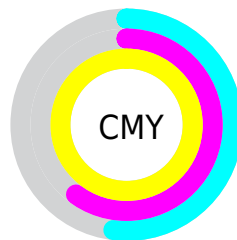


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (52%)



Cyan (52%)

Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0186, 13.9114, 1.9990 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 13.0186, 13.9114, 1.9990 by changing the saturation by 10% instead.

13.0186, 13.9114,
1.9990

13.0186, 13.9114,
1.9990

204.6720,
216.6789, 122.3612

7.5184, 8.0591,
0.5547

30.9382, 32.9317,
9.0381

3.8376, 4.1328,
0.0000

44.0884, 46.8685,
15.5251

1.6107, 1.7481,
0.0000

60.5193, 64.2689,
24.5486

0.3993, 0.4545,
0.0000

80.5963, 85.5174,
36.5271


0.0000, 0.0000,
0.0000


104.6847,
110.9982, 51.8790


133.1499,


141.0958, 71.0230


 166.3572,
176.1946, 94.3776


 13.0186, 13.9114,
1.9990


 13.0186, 13.9114,
1.9990


 13.0188, 13.9119,
1.9991

 13.2884, 14.3420,
2.4256

 13.5975, 14.7954,
3.0366

 13.9696, 15.2817,
3.9558

 14.4117, 15.8037,
5.2193

 14.9296, 16.3640,
6.8582

■ 15.5287, 16.9645,
8.9002

■ 16.2137, 17.6074,
11.3702

■ 16.9890, 18.2943,
14.2914

■ 17.8588, 19.0270,
17.6851

Harmonies

Analogous

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



17.2984, 13.9114, 2.7822



13.0186, 13.9114, 1.9990



9.5543, 13.9114, 2.9760

Triad

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



13.0186, 13.9114, 1.9990



7.6300, 13.9114, 30.0565



21.3200, 13.9114, 28.4805

Complementary

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



13.0186, 13.9114, 1.9990



3.8254, 1.9304, 18.9097

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.



17.7263, 13.9114, 43.2473



13.0186, 13.9114, 1.9990



9.8429, 13.9114, 44.4387

Square

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



13.0186, 13.9114, 1.9990



6.8630, 13.9114, 15.7414



13.4283, 13.9114, 50.1940



22.6403, 13.9114, 14.5681

Rectangle

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



13.0186, 13.9114, 1.9990



8.0137, 13.9114, 5.0710



13.4283, 13.9114, 50.1940



20.3059, 13.9114, 33.7131

Sweetspot

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



13.0189, 13.9121, 1.9993



28.9384, 31.4426, 20.0062



8.2992, 4.2634, 1.0711



6.7115, 7.3091, 4.3324



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.0189, 13.9121, 1.9993



23.2263, 24.7383, 3.5508



10.5627, 15.9597, 2.5240



4.2549, 4.5283, 4.2743



13.4647, 14.3853, 2.0670



63.7036, 67.5706, 9.6849

Inverse Universe

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



3.8254, 1.9304, 18.9097



6.7742, 3.3049, 33.8375



4.4898, 1.9016, 18.8692



3.8454, 3.9892, 5.0105



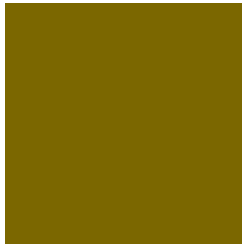
3.9542, 1.9909, 19.5612



18.4365, 8.6457, 93.1669

Previews

White Background



This preview shows how the XYZ color 13.0186, 13.9114, 1.9990 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 13.0186, 13.9114, 1.9990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

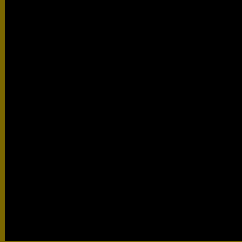
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0186, 13.9114, 1.9990

Background



This preview shows how black text looks on a background with the XYZ color 13.0186, 13.9114, 1.9990.



This preview shows how white text looks on a background with the XYZ color 13.0186, 13.9114,

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

13.0186, 13.9114, 1.9990

Protanopia

12.5447, 13.9635, 2.1489

Deuteranopia

14.0380, 13.8534, 2.2507



Tritanopia

15.6843, 14.0121, 14.7099

Trichromacy



Original Color

13.0186, 13.9114, 1.9990

Protanomaly

12.7125, 13.9003, 2.0991

Deuteranomaly

13.6488, 13.7968, 2.1447

Tritanomaly

14.1976, 13.8291, 7.0752

Monochromacy



Original Color

13.0186, 13.9114, 1.9990

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.2752, 12.3357, 6.3442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0186, 13.9114, 1.9990 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(123, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(123, 103, 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(123, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 103, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.0186, 13.9114, 1.9990 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(123, 103, 0) }
```


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

```
.border{ border-color:rgb(123, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(123, 103,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0186, 13.9114, 1.9990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 103, 0) }
```

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

```
.background{ background-color: rgb(123,  
103, 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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