

Converting Colors

XYZ(12.6862, 14.4889, 0.0000)

Have a look what the booklet for
XYZ(12.6862, 14.4889, 0.0000)
contains.

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Color

**XYZ(13.1083, 14.7182,
2.1500)**

Conversions

Conversions Part 1

Format	Color
Hex	786C00
RGB	120, 108, 0
RGB Percent	47%, 42%, 0%
CMY	0.5294, 0.5765, 1.0000
CMYK	0.00, 0.10, 1.00, 0.53
HSL	54°, 100%, 24%
HSV	54°, 100%, 47%
XYZ	13.1083, 14.7182, 2.1500
YIQ	99.2760, 41.8200, -31.0440

Conversions

Conversions Part 2

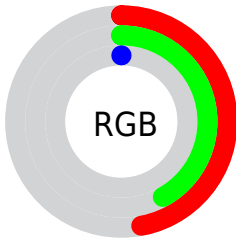
Format	Color
R_{YB}	13, 120, 0
Decimal	7891968
CIE _{Lab}	45.25, -5.66, 51.54
CIE _{LCh}	45, 51.849, 96.269
Yxy	14.7182, 0.4373, 0.4910
Android (android.graphics.Color)	4286082048 (0xFF786C00)
YUV	99.2760, -48.9431, 18.1749
Hunter-Lab	38.3643, -6.1477, 23.5323

Details

The XYZ color **13.1083, 14.7182, 2.1500** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.5217, 1.6191, 17.8961**, and the grayscale version is **12.0423, 12.6695, 13.7971**.

A 20% lighter version of the original color is **31.1449, 34.3633, 9.4061**, and **3.9835, 4.5308, 0.6646** is the 20% darker color. If you saturate the color by 10%, you get **13.1085, 14.7188, 2.1501**, and if you desaturate by 10%, it is **13.3024, 15.0003, 2.5422**.

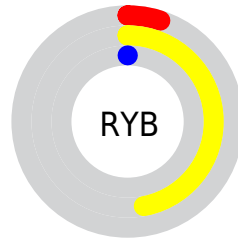
Distribution



Red (47%)

Green (42%)

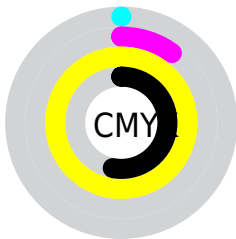
Blue (0%)



Red (5%)

Yellow (47%)

Blue (0%)

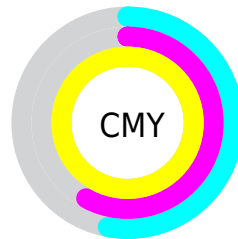


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (53%)



Cyan (53%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1083, 14.7182, 2.1500 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 13.1083, 14.7182, 2.1500 by changing the saturation by 10% instead.

■ 13.1083, 14.7182,
2.1500

■ 13.1083, 14.7182,
2.1500

205.2342,
221.6542, 124.6641

■ 7.5807, 8.6219,
0.6453

■ 31.0979, 34.3581,
9.4470

■ 3.8774, 4.4954,
0.0000

■ 44.2905, 48.6704,
16.1102

■ 1.6330, 1.9543,
0.0000

■ 60.7689, 66.4901,
25.3413

■ 0.4138, 0.5807,
0.0000

■ 80.8984, 88.2017,
37.5589


■ 0.0000, 0.0000,
0.0000


■ 105.0443,
114.1895, 53.1814


■ 133.5720,


144.8379, 72.6274


 166.8468,
180.5313, 96.3155


 13.1083, 14.7182,
2.1500


 13.1083, 14.7182,
2.1500


 13.1085, 14.7188,
2.1501

 13.3024, 15.0003,
2.5422

 13.5301, 15.2980,
3.1041

 13.8146, 15.6213,
3.9566

 14.1624, 15.9726,
5.1335

 14.5789, 16.3544,
6.6640

■ 15.0693, 16.7685,
8.5742

■ 15.6379, 17.2167,
10.8875

■ 16.2888, 17.7007,
13.6257

■ 17.0258, 18.2221,
16.8087

Harmonies

Analogous

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



17.5755, 14.7182, 2.6737



13.1083, 14.7182, 2.1500



9.6577, 14.7182, 3.5334

Triad

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



13.1083, 14.7182, 2.1500



8.3404, 14.7182, 34.4397



22.9729, 14.7182, 27.5266

Complementary

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



13.1083, 14.7182, 2.1500



3.5217, 1.6191, 17.8961

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.



19.4538, 14.7182, 43.5868



13.1083, 14.7182, 2.1500



10.9273, 14.7182, 48.8048

Square

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



13.1083, 14.7182, 2.1500



7.2914, 14.7182, 18.7440



14.9087, 14.7182, 52.8065



23.8862, 14.7182, 13.5836

Rectangle

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



13.1083, 14.7182, 2.1500



8.1929, 14.7182, 6.1665



14.9087, 14.7182, 52.8065



22.0249, 14.7182, 33.0329

Sweetspot

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



13.1086, 14.7189, 2.1503



27.4256, 30.2209, 18.8233



7.8121, 4.0197, 0.7121



6.4158, 7.0970, 4.1167



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.1086, 14.7189, 2.1503



23.0013, 25.7790, 3.7636



9.3891, 14.8107, 2.3640



4.2752, 4.5687, 4.2810



14.2950, 16.0460, 2.3438



67.8351, 75.8337, 11.0621

Inverse Universe

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



3.5217, 1.6191, 17.8961



6.1414, 2.7425, 31.4587



4.6093, 1.9846, 17.9093



3.8269, 3.9521, 5.0043



3.8360, 1.7544, 19.5218



17.9949, 7.7623, 93.0196

Previews

White Background



This preview shows how the XYZ color 13.1083, 14.7182, 2.1500 looks on a white background.

Color Contrast Check

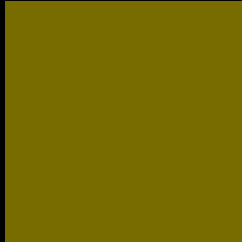
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1083, 14.7182, 2.1500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

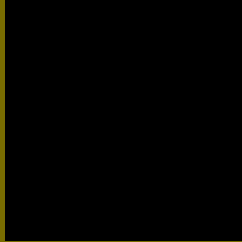
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1083, 14.7182, 2.1500

Background



This preview shows how black text looks on a background with the XYZ color 13.1083, 14.7182, 2.1500.



This preview shows how white text looks on a background with the XYZ color 13.1083, 14.7182,

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

13.1083, 14.7182, 2.1500

Protanopia

13.2477, 14.7901, 2.1565

Deuteranopia

14.9840, 14.7687, 2.4764



Tritanopia

15.8681, 14.6327, 16.1754

Trichromacy



Original Color

13.1083, 14.7182, 2.1500

Protanomaly

13.2477, 14.7901, 2.1565

Deuteranomaly

14.2055, 14.6662, 2.3406

Tritanomaly

14.2366, 14.4153, 7.6623

Monochromacy



Original Color

13.1083, 14.7182, 2.1500

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.7120, 12.9874, 6.5922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1083, 14.7182, 2.1500 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(120, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 108, 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(120, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.1083, 14.7182, 2.1500 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(120, 108, 0) }
```


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

```
.border{ border-color:rgb(120, 108, 0) }
```

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

Here you see how a box with a 4 pixel rgb(120, 108, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 108,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1083, 14.7182, 2.1500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 108, 0) }
```

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

```
.background{ background-color: rgb(120,  
108, 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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