

Converting Colors

XYZ(12.9690, 14.2942, 2.4244)

Have a look what the booklet for
XYZ(12.9690, 14.2942, 2.4244)
contains.

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Color

**XYZ(12.9661, 14.3277,
2.4300)**

Conversions

Conversions Part 1

Format	Color
Hex	786A0C
RGB	120, 106, 12
RGB Percent	47%, 42%, 5%
CMY	0.5294, 0.5843, 0.9529
CMYK	0.00, 0.12, 0.90, 0.53
HSL	52°, 82%, 26%
HSV	52°, 90%, 47%
XYZ	12.9661, 14.3277, 2.4300
YIQ	99.4700, 38.5180, -26.2660

Conversions

Conversions Part 2

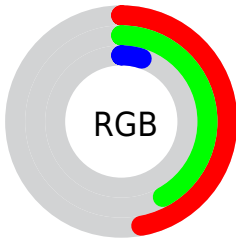
Format	Color
R_{YB}	28, 120, 12
Decimal	7891468
CIE Lab	44.70, -4.24, 48.34
CIE LCh	45, 48.531, 95.016
Yxy	14.3277, 0.4362, 0.4820
Android (android.graphics.Color)	4286081548 (0xFF786A0C)
YUV	99.4700, -43.1227, 18.0048
Hunter-Lab	37.8519, -5.0961, 22.6901

Details

The XYZ color **12.9661, 14.3277, 2.4300** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.9113, 2.1731, 17.9824**, and the grayscale version is **12.0780, 12.7069, 13.8379**.

A 20% lighter version of the original color is **30.7493, 33.6331, 10.1814**, and **3.9479, 4.3569, 0.6329** is the 20% darker color. If you saturate the color by 10%, you get **12.7412, 13.9842, 2.0279**, and if you desaturate by 10%, it is **13.2267, 14.6913, 3.0031**.

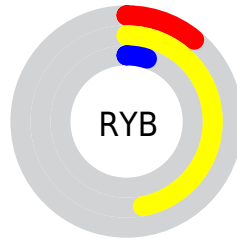
Distribution



Red (47%)

Green (42%)

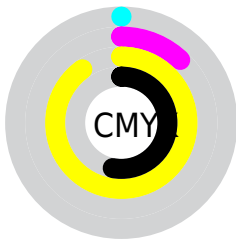
Blue (5%)



Red (11%)

Yellow (47%)

Blue (5%)

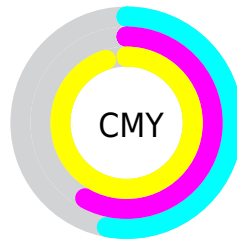


Cyan (0%)

Magenta (12%)

Yellow (90%)

Black (53%)



Cyan (53%)

Magenta (58%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9661, 14.3277, 2.4300 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 12.9661, 14.3277, 2.4300 by changing the saturation by 10% instead.

■ 12.9661, 14.3277,
2.4300

■ 12.9661, 14.3277,
2.4300

204.3423,
219.2600, 128.7323

■ 7.4820, 8.3489,
0.8027

■ 30.8447, 33.6694,
10.1862

■ 3.8143, 4.3190,
0.0000

■ 43.9700, 47.8010,
17.1610

■ 1.5976, 1.8536,
0.0000

■ 60.3730, 65.4192,
26.7584

■ 0.3909, 0.5202,
0.0000

■ 80.4192, 86.9081,
39.3968

■ 0.0000, 0.0000,
0.0000

■ 104.4738,
112.6523, 55.4949

■ 132.9023,

143.0361, 75.4711

166.0700,
178.4438, 99.7441

12.9661, 14.3277,
2.4300

12.9661, 14.3277,
2.4300

12.7412, 13.9842,
2.0279

13.2267, 14.6913,
3.0031

12.7411, 13.9840,
2.0277

13.5450, 15.0820,
3.8668

13.9276, 15.5033,
5.0553

14.3803, 15.9572,
6.5979

14.9080, 16.4459,
8.5206

■ 15.5150, 16.9711,
10.8468

■ 16.2057, 17.5345,
13.5981

■ 16.9837, 18.1377,
16.7948

■ 17.8526, 18.7822,
20.4555

Harmonies

Analogous

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



17.0760, 14.3277, 3.0386



12.9661, 14.3277, 2.4300



9.7161, 14.3277, 3.7219

Triad

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



12.9661, 14.3277, 2.4300



8.3068, 14.3277, 31.6615



21.7066, 14.3277, 26.6794

Complementary

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



12.9661, 14.3277, 2.4300



3.9113, 2.1731, 17.9824

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.



18.4457, 14.3277, 40.9799



12.9661, 14.3277, 2.4300



10.6616, 14.3277, 44.7001

Square

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



12.9661, 14.3277, 2.4300



7.3780, 14.3277, 17.5762



14.2915, 14.3277, 48.7454



22.6479, 14.3277, 13.7786

Rectangle

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



12.9661, 14.3277, 2.4300



8.3050, 14.3277, 6.1723



14.2915, 14.3277, 48.7454



20.8183, 14.3277, 31.6451

Sweetspot

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



12.9664, 14.3284, 2.4303



27.5586, 30.0747, 20.1386



8.0682, 4.3325, 1.4122



6.4574, 7.0659, 4.4833



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.



12.9664, 14.3284, 2.4303



22.3420, 24.4604, 3.5438



10.1251, 15.1823, 2.7449



4.2656, 4.5496, 4.2778



13.8929, 15.2417, 2.2097



65.8313, 71.8260, 10.3941

Inverse Universe

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



3.9113, 2.1731, 17.9824



6.2157, 2.8910, 31.4835



4.9175, 2.3387, 17.9613



3.8357, 3.9696, 5.0072



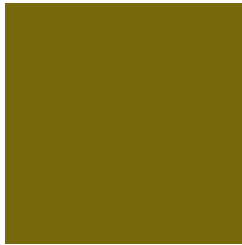
3.8866, 1.8557, 19.5386



18.1781, 8.1289, 93.0807

Previews

White Background



This preview shows how the XYZ color 12.9661, 14.3277, 2.4300 looks on a white background.

Color Contrast Check

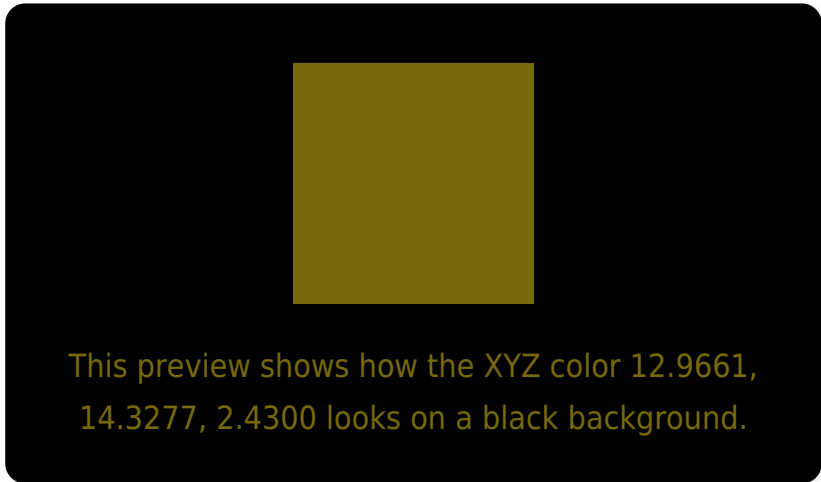
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9661, 14.3277, 2.4300

Background



This preview shows how black text looks on a background with the XYZ color 12.9661, 14.3277, 2.4300.



This preview shows how white text looks on a background with the XYZ color 12.9661, 14.3277,

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

12.9661, 14.3277, 2.4300

Protanopia

12.8281, 14.2566, 2.4235

Deuteranopia

14.4899, 14.2231, 2.5120



Tritanopia

15.6675, 14.3999, 15.5894

Trichromacy



Original Color

12.9661, 14.3277, 2.4300

Protanomaly

12.8281, 14.2566, 2.4235

Deuteranomaly

13.8909, 14.2044, 2.4615

Tritanomaly

14.2333, 14.2557, 8.1323

Monochromacy



Original Color

12.9661, 14.3277, 2.4300

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8279, 13.0338, 7.2026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9661, 14.3277, 2.4300 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, 106, 12)` looks like.

```
.text, #text, p{  
    color:rgb(120, 106, 12)  
}
```

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, 106, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 106, 12) }
```

Border

The CSS property to change the border of an element to XYZ 12.9661, 14.3277, 2.4300 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, 106, 12) }
```


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

```
.border{ border-color:rgb(120, 106, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 106, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 106, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 106, 12);  
box-shadow:4px 4px 4px 4px rgb(120, 106,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9661, 14.3277, 2.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 106, 12) }
```

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

```
.background{ background-color: rgb(120,  
106, 12) }
```

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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