

Converting Colors

XYZ(12.0223, 14.1598, 2.0268)

Have a look what the booklet for
XYZ(12.0223, 14.1598, 2.0268)
contains.

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Color

**XYZ(12.0447, 14.1699,
2.1002)**

Conversions

Conversions Part 1

Format	Color
Hex	706C00
RGB	112, 108, 0
RGB Percent	44%, 42%, 0%
CMY	0.5608, 0.5765, 1.0000
CMYK	0.00, 0.04, 1.00, 0.56
HSL	58°, 100%, 22%
HSV	58°, 100%, 44%
XYZ	12.0447, 14.1699, 2.1002
YIQ	96.8840, 37.0520, -32.7400

Conversions

Conversions Part 2

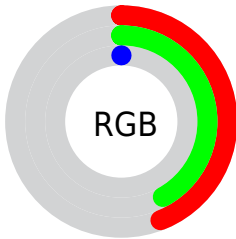
Format	Color
RYB	4, 112, 0
Decimal	7367680
CIELab	44.48, -9.53, 50.63
CIELCh	44, 51.520, 100.656
Yxy	14.1699, 0.4254, 0.5004
Android (android.graphics.Color)	4285557760 (0xFF706C00)
YUV	96.8840, -47.7638, 13.2567
Hunter-Lab	37.6429, -8.7600, 23.0421

Details

The XYZ color **12.0447, 14.1699, 2.1002** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.9681, 1.2567, 15.4154**, and the grayscale version is **11.4415, 12.0373, 13.1087**.

A 20% lighter version of the original color is **29.1768, 33.3487, 9.3140**, and **3.5322, 4.2981, 0.6435** is the 20% darker color. If you saturate the color by 10%, you get **12.0450, 14.1705, 2.1003**, and if you desaturate by 10%, it is **12.1488, 14.2797, 2.4388**.

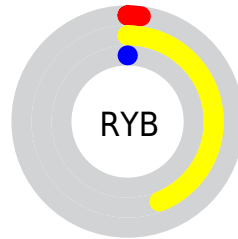
Distribution



Red (44%)

Green (42%)

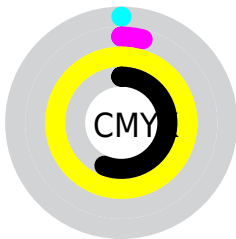
Blue (0%)



Red (2%)

Yellow (44%)

Blue (0%)

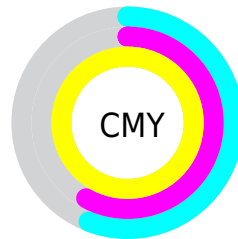


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (56%)



Cyan (56%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0447, 14.1699, 2.1002 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 12.0447, 14.1699, 2.1002 by changing the saturation by 10% instead.

■ 12.0447, 14.1699,
2.1002

■ 12.0447, 14.1699,
2.1002

■ 198.4649,
218.2852, 123.9138

■ 6.8465, 8.2389,
0.6159

■ 29.1926, 33.3902,
9.3130

■ 3.4118, 4.2482,
0.0000

■ 41.8731, 47.4483,
15.9188

■ 1.3751, 1.8134,
0.0000

■ 57.7785, 64.9842,
25.0823

■ 0.2384, 0.4955,
0.0000

■ 77.2740, 86.3824,
37.2220


■ 0.0000, 0.0000,
0.0000


■ 100.7250,
112.0272, 52.7564


■ 128.4969,


142.3030, 72.1042


 160.9551,
177.5942, 95.6838


 12.0447, 14.1699,
2.1002


 12.0447, 14.1699,
2.1002


 12.0450, 14.1705,
2.1003

 12.1488, 14.2797,
2.4388

 12.2784, 14.3995,
2.9119

 12.4554, 14.5385,
3.6334

 12.6851, 14.6989,
4.6315

 12.9721, 14.8825,
5.9309

■ 13.3207, 15.0911,
7.5532

■ 13.7345, 15.3261,
9.5184

■ 14.2171, 15.5890,
11.8445

■ 14.7717, 15.8809,
14.5486

Harmonies

Analogous

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



16.2901, 14.1699, 2.3465



12.0447, 14.1699, 2.1002



8.9065, 14.1699, 3.7695

Triad

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



12.0447, 14.1699, 2.1002



8.2729, 14.1699, 35.6405



22.4954, 14.1699, 24.3115

Complementary

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



12.0447, 14.1699, 2.1002



2.9681, 1.2567, 15.4154

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.



19.3696, 14.1699, 40.0950



12.0447, 14.1699, 2.1002



10.9923, 14.1699, 48.6318

Square

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



12.0447, 14.1699, 2.1002



7.0458, 14.1699, 20.0559



14.9994, 14.1699, 50.5850



22.9390, 14.1699, 11.5742

Rectangle

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



12.0447, 14.1699, 2.1002



7.6374, 14.1699, 6.7158



14.9994, 14.1699, 50.5850



21.6973, 14.1699, 29.5689

Sweetspot

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



12.0450, 14.1706, 2.1005



24.0665, 26.8900, 16.4260



6.7128, 3.4571, 0.4744



5.7225, 6.4268, 3.6630



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.0450, 14.1706, 2.1005



21.1408, 24.8554, 3.6833



7.7559, 12.5997, 2.0233



3.6322, 3.8968, 3.6341



13.9212, 16.3749, 2.4269



69.2084, 81.2919, 12.0432

Inverse Universe

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



2.9681, 1.2567, 15.4154



5.1942, 2.1677, 27.0744



4.2600, 1.8583, 15.4634



3.2263, 3.3178, 4.2246



3.4275, 1.4453, 17.8199



16.9384, 6.9286, 88.7237

Previews

White Background



This preview shows how the XYZ color 12.0447, 14.1699, 2.1002 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 12.0447, 14.1699, 2.1002 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 12.0447, 14.1699, 2.1002

Background



This preview shows how black text looks on a background with the XYZ color 12.0447, 14.1699, 2.1002.



This preview shows how white text looks on a background with the XYZ color 12.0447, 14.1699,

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

12.0447, 14.1699, 2.1002

Deuteranopia

14.3236, 14.1383, 2.4642

Tritanopia

14.8717, 14.1190, 16.1288

Trichromacy



Original Color

12.0447, 14.1699, 2.1002

Deuteranomaly

13.3625, 14.0824, 2.3011

Tritanomaly

13.1269, 13.8432, 7.6104

Monochromacy



Original Color

12.0447, 14.1699, 2.1002

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0027, 12.4799, 6.3864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0447, 14.1699, 2.1002 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(112, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.0447, 14.1699, 2.1002 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(112, 108, 0) }
```

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

```
.border{ border-color:rgb(112, 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(112, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 108,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 12.0447, 14.1699, 2.1002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 108, 0) }
```

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

```
.background{ background-color: rgb(112,  
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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