

Converting Colors

XYZ(12.2743, 14.2972, 1.5102)

Have a look what the booklet for
XYZ(12.2743, 14.2972, 1.5102)
contains.

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Color

**XYZ(12.4328, 14.3700,
2.1184)**

Conversions

Conversions Part 1

Format	Color
Hex	736C00
RGB	115, 108, 0
RGB Percent	45%, 42%, 0%
CMY	0.5490, 0.5765, 1.0000
CMYK	0.00, 0.06, 1.00, 0.55
HSL	56°, 100%, 23%
HSV	56°, 100%, 45%
XYZ	12.4328, 14.3700, 2.1184
YIQ	97.7810, 38.8400, -32.1040

Conversions

Conversions Part 2

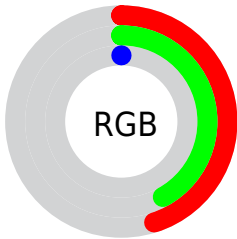
Format	Color
R_YB	7, 115, 0
Decimal	7564288
CIE Lab	44.76, -8.08, 50.97
CIE LCh	45, 51.602, 99.008
Yxy	14.3700, 0.4299, 0.4969
Android (android.graphics.Color)	4285754368 (0xFF736C00)
YUV	97.7810, -48.2060, 15.1011
Hunter-Lab	37.9078, -7.7951, 23.2221

Details

The XYZ color **12.4328, 14.3700, 2.1184** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.1705, 1.3898, 16.3206**, and the grayscale version is **11.6647, 12.2722, 13.3644**.

A 20% lighter version of the original color is **29.8180, 33.6792, 9.3440**, and **3.7186, 4.3942, 0.6522** is the 20% darker color. If you saturate the color by 10%, you get **12.4331, 14.3706, 2.1185**, and if you desaturate by 10%, it is **12.5706, 14.5442, 2.4770**.

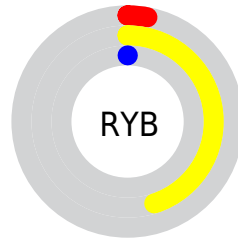
Distribution



Red (45%)

Green (42%)

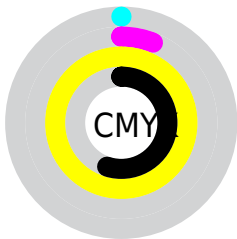
Blue (0%)



Red (3%)

Yellow (45%)

Blue (0%)

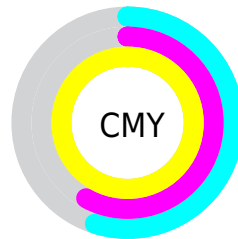


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (55%)



Cyan (55%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4328, 14.3700, 2.1184 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 12.4328, 14.3700, 2.1184 by changing the saturation by 10% instead.

■ 12.4328, 14.3700,
2.1184

■ 12.4328, 14.3700,
2.1184

200.9618,
219.5206, 124.1890

■ 7.1134, 8.3785,
0.6267

■ 29.8910, 33.7441,
9.3620

■ 3.5801, 4.3381,
0.0000

■ 42.7606, 47.8955,
15.9889

■ 1.4674, 1.8644,
0.0000

■ 58.8776, 65.5355,
25.1772

■ 0.3035, 0.5268,
0.0000


■ 78.6074, 87.0487,
37.3455


■ 0.0000, 0.0000,
0.0000


■ 102.3154,
112.8195, 52.9123


■ 130.3669,


143.2321, 72.2961


 163.1272,
178.6710, 95.9155


 12.4328, 14.3700,
2.1184


 12.4328, 14.3700,
2.1184


 12.4331, 14.3706,
2.1185

 12.5706, 14.5442,
2.4770

 12.7366, 14.7301,
2.9828

 12.9532, 14.9372,
3.7524

 13.2263, 15.1678,
4.8159

 13.5607, 15.4239,
6.1997

■ 13.9609, 15.7074,
7.9271

■ 14.4310, 16.0196,
10.0192

■ 14.9745, 16.3623,
12.4954

■ 15.5950, 16.7367,
15.3739

Harmonies

Analogous

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



16.7595, 14.3700, 2.4652



12.4328, 14.3700, 2.1184



9.1808, 14.3700, 3.6792

Triad

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



12.4328, 14.3700, 2.1184



8.2962, 14.3700, 35.1785



22.6675, 14.3700, 25.4773

Complementary

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



12.4328, 14.3700, 2.1184



3.1705, 1.3898, 16.3206

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.



19.3962, 14.3700, 41.3682



12.4328, 14.3700, 2.1184



10.9654, 14.3700, 48.6833

Square

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



12.4328, 14.3700, 2.1184



7.1355, 14.3700, 19.5530



14.9617, 14.3700, 51.3951



23.2846, 14.3700, 12.2984

Rectangle

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



12.4328, 14.3700, 2.1184



7.8405, 14.3700, 6.5051



14.9617, 14.3700, 51.3951



21.8139, 14.3700, 30.8276

Sweetspot

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



12.4331, 14.3707, 2.1187



25.7702, 28.6403, 17.6195



7.1123, 3.6617, 0.5522



6.0781, 6.7869, 3.8909



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.4331, 14.3707, 2.1187



22.2294, 25.6643, 3.7821



8.3219, 13.3909, 2.1463



3.9485, 4.2300, 3.9506



14.2082, 16.4177, 2.4201



69.0101, 79.5487, 11.7172

Inverse Universe

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



3.1705, 1.3898, 16.3206



5.6407, 2.4152, 29.2134



4.4019, 1.9119, 16.3565



3.5169, 3.6224, 4.6041



3.6185, 1.5767, 18.6562



17.4133, 7.2433, 90.8406

Previews

White Background



This preview shows how the XYZ color 12.4328, 14.3700, 2.1184 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 12.4328, 14.3700, 2.1184 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 12.4328, 14.3700, 2.1184

Background



This preview shows how black text looks on a background with the XYZ color 12.4328, 14.3700, 2.1184.

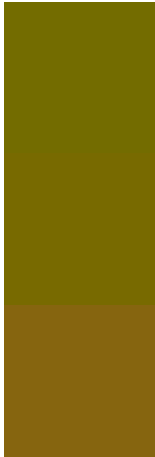


This preview shows how white text looks on a background with the XYZ color 12.4328, 14.3700,

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

12.4328, 14.3700, 2.1184

Protanopia

12.8998, 14.3011, 2.0805

Deuteranopia

14.5714, 14.4102, 2.4654



Tritanopia

15.2900, 14.3346, 16.1483

Trichromacy



Original Color

12.4328, 14.3700, 2.1184

Protanomaly

12.7289, 14.3669, 2.1022

Deuteranomaly

13.7575, 14.4346, 2.3482

Tritanomaly

13.5322, 14.0521, 7.6293

Monochromacy



Original Color

12.4328, 14.3700, 2.1184

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.3298, 12.7936, 6.4297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4328, 14.3700, 2.1184 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(115, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 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(115, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.4328, 14.3700, 2.1184 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(115, 108, 0) }
```


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

```
.border{ border-color:rgb(115, 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(115, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 108,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4328, 14.3700, 2.1184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 108, 0) }
```

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

```
.background{ background-color: rgb(115,  
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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