

Converting Colors

XYZ(12.8779, 14.7865, 3.7271)

Have a look what the booklet for
XYZ(12.8779, 14.7865, 3.7271)
contains.

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Color

**XYZ(12.8422, 14.7035,
3.7513)**

Conversions

Conversions Part 1

Format	Color
Hex	736D23
RGB	115, 109, 35
RGB Percent	45%, 43%, 14%
CMY	0.5490, 0.5725, 0.8627
CMYK	0.00, 0.05, 0.70, 0.55
HSL	56°, 53%, 29%
HSV	56°, 70%, 45%
XYZ	12.8422, 14.7035, 3.7513
YIQ	102.3580, 27.3300, -21.7420

Conversions

Conversions Part 2

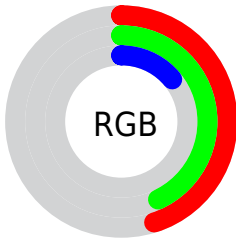
Format	Color
R_{YB}	41, 115, 35
Decimal	7564579
CIE _{Lab}	45.23, -7.33, 40.48
CIE _{LCh}	45, 41.142, 100.268
Yxy	14.7035, 0.4103, 0.4698
Android (android.graphics.Color)	4285754659 (0xFF736D23)
YUV	102.3580, -33.2075, 11.0870
Hunter-Lab	38.3451, -7.3224, 21.0413

Details

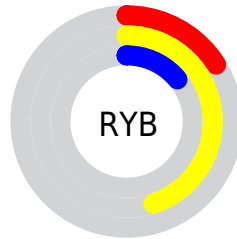
The XYZ color **12.8422, 14.7035, 3.7513** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.5805, 3.1809, 16.5919**, and the grayscale version is **12.8028, 13.4695, 14.6683**.

A 20% lighter version of the original color is **30.5332, 34.2167, 13.3827**, and **3.8370, 4.5352, 0.6732** is the 20% darker color. If you saturate the color by 10%, you get **12.6074, 14.4637, 2.9646**, and if you desaturate by 10%, it is **13.1346, 14.9689, 4.8340**.

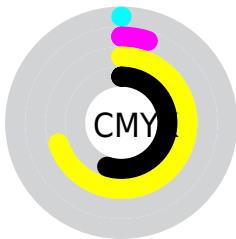
Distribution



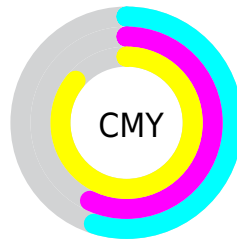
- Red (45%)
- Green (43%)
- Blue (14%)



- Red (16%)
- Yellow (45%)
- Blue (14%)



- Cyan (0%)
- Magenta (5%)
- Yellow (70%)
- Black (55%)



- Cyan (55%)
- Magenta (57%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8422, 14.7035, 3.7513 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 12.8422, 14.7035, 3.7513 by changing the saturation by 10% instead.

12.8422, 14.7035,
3.7513

12.8422, 14.7035,
3.7513

203.5620,
221.5645, 145.4196

7.3962, 8.6116,
1.4899

30.6237, 34.3322,
13.4320

3.7596, 4.4887,
0.2104

43.6900, 48.6377,
21.6884

1.5671, 1.9505,
0.0000

60.0271, 66.4499,
32.7802

0.3708, 0.5785,
0.0000

80.0003, 88.1532,
47.1260

0.0000, 0.0000,
0.0000

103.9750,
114.1318, 65.1443

132.3167,

144.7704, 87.2536

165.3905,
180.4531, 113.8726

12.8422, 14.7035,
3.7513

12.8422, 14.7035,
3.7513

12.6074, 14.4637,
2.9646

13.1346, 14.9689,
4.8340

12.4234, 14.2452,
2.4427

13.4886, 15.2598,
6.2378

12.2701, 14.0403,
2.0778

13.9089, 15.5786,
7.9862

12.2634, 14.0314,
2.0620

14.3995, 15.9270,
10.1002

14.9640, 16.3065,
12.5994

■ 15.6059, 16.7184,
15.5016

■ 16.3285, 17.1640,
18.8238

■ 17.1347, 17.6445,
22.5818

■ 18.0274, 18.1611,
26.7908

Harmonies

Analogous

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



16.3001, 14.7035, 4.0634



12.8422, 14.7035, 3.7513



10.1619, 14.7035, 5.5531

Triad

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



12.8422, 14.7035, 3.7513



9.5578, 14.7035, 31.4128



21.0745, 14.7035, 23.1974

Complementary

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



12.8422, 14.7035, 3.7513



4.5805, 3.1809, 16.5919

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.



18.6400, 14.7035, 34.9611



12.8422, 14.7035, 3.7513



11.8827, 14.7035, 40.8837

Square

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



12.8422, 14.7035, 3.7513



8.4800, 14.7035, 19.5836



15.1730, 14.7035, 42.3953



21.4436, 14.7035, 12.8993

Rectangle

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



12.8422, 14.7035, 3.7513



9.0332, 14.7035, 8.4050



15.1730, 14.7035, 42.3953



20.4539, 14.7035, 27.2030

Sweetspot

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



12.8425, 14.7042, 3.7516



26.5845, 29.0608, 21.6154



8.0832, 5.0118, 2.7009



6.2889, 6.8974, 4.9200



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.



12.8425, 14.7042, 3.7516



22.3807, 25.6762, 4.7291



9.8848, 14.1616, 3.8028



3.9443, 4.2216, 3.9492



14.0132, 16.0277, 2.3551



68.0123, 77.5531, 11.3846

Inverse Universe

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



4.5805, 3.1809, 16.5919



6.5557, 3.6289, 29.3994



6.1028, 3.6810, 16.6082



3.5207, 3.6299, 4.6053



3.6373, 1.6142, 18.6624



17.4680, 7.3525, 90.8588

Previews

White Background



This preview shows how the XYZ color 12.8422, 14.7035, 3.7513 looks on a white background.

Color Contrast Check

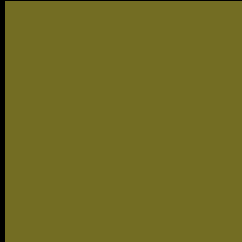
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8422, 14.7035, 3.7513 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 12.8422, 14.7035, 3.7513

Background



This preview shows how black text looks on a background with the XYZ color 12.8422, 14.7035, 3.7513.



This preview shows how white text looks on a background with the XYZ color 12.8422, 14.7035,

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

12.8422, 14.7035, 3.7513

Protanopia

13.3068, 14.6298, 3.7126

Deuteranopia

14.9327, 14.7110, 3.8862



Tritanopia

15.4510, 14.6935, 16.7736

Trichromacy



Original Color

12.8422, 14.7035, 3.7513

Protanomaly

13.1371, 14.6980, 3.7347

Deuteranomaly

14.1379, 14.7487, 3.8519

Tritanomaly

14.2207, 14.6496, 10.2618

Monochromacy



Original Color

12.8422, 14.7035, 3.7513

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.4901, 13.7790, 9.2090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8422, 14.7035, 3.7513 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, 109, 35)` looks like.

```
.text, #text, p{  
    color:rgb(115, 109, 35)  
}
```

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, 109, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 109, 35) }
```

Border

The CSS property to change the border of an element to XYZ 12.8422, 14.7035, 3.7513 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, 109, 35) }
```


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

```
.border{ border-color:rgb(115, 109, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 109, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 109, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 109, 35);  
box-shadow:4px 4px 4px 4px rgb(115, 109,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8422, 14.7035, 3.7513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 109, 35) }
```

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

```
.background{ background-color: rgb(115,  
109, 35) }
```

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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