

Converting Colors

XYZ(13.0432, 14.3268, 4.2684)

Have a look what the booklet for
XYZ(13.0432, 14.3268, 4.2684)
contains.

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Color

**XYZ(13.0432, 14.3268,
4.2684)**

Conversions

Conversions Part 1

Format	Color
Hex	766A2A
RGB	118, 106, 42
RGB Percent	46%, 42%, 16%
CMY	0.5373, 0.5843, 0.8353
CMYK	0.00, 0.10, 0.64, 0.54
HSL	51°, 47%, 31%
HSV	51°, 64%, 46%
XYZ	13.0432, 14.3268, 4.2684
YIQ	102.2920, 27.6960, -17.3600

Conversions

Conversions Part 2

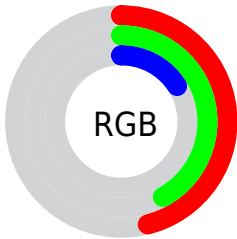
Format	Color
R _{YB}	56, 118, 42
Decimal	7760426
CIE Lab	44.70, -3.73, 36.71
CIE LCh	45, 36.900, 95.800
Yxy	14.3268, 0.4123, 0.4528
Android (android.graphics.Color)	4285950506 (0xFF766A2A)
YUV	102.2920, -29.7240, 13.7759
Hunter-Lab	37.8508, -4.7285, 19.8094

Details

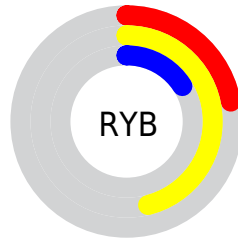
The XYZ color **13.0432, 14.3268, 4.2684** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.5440, 4.4385, 17.7040**, and the grayscale version is **12.7765, 13.4419, 14.6382**.

A 20% lighter version of the original color is **30.9157, 33.6228, 14.5333**, and **3.8787, 4.3212, 0.6296** is the 20% darker color. If you saturate the color by 10%, you get **12.6726, 13.8753, 3.2521**, and if you desaturate by 10%, it is **13.4809, 14.8129, 5.6144**.

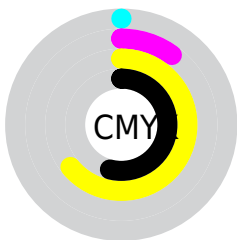
Distribution



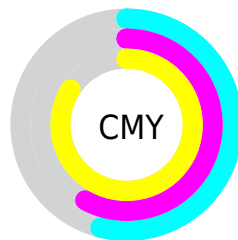
- Red (46%)
- Green (42%)
- Blue (16%)



- Red (22%)
- Yellow (46%)
- Blue (16%)



- Cyan (0%)
- Magenta (10%)
- Yellow (64%)
- Black (54%)



- Cyan (54%)
- Magenta (58%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0432, 14.3268, 4.2684 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 13.0432, 14.3268, 4.2684 by changing the saturation by 10% instead.

■ 13.0432, 14.3268,
4.2684

■ 13.0432, 14.3268,
4.2684

204.8263,
219.2545, 151.1635

■ 7.5355, 8.3483,
1.7737

■ 30.9820, 33.6678,
14.6242

■ 3.8485, 4.3186,
0.4105

■ 44.1439, 47.7990,
23.3224

■ 1.6168, 1.8533,
0.0000

■ 60.5878, 65.4167,
34.9255

■ 0.4033, 0.5201,
0.0000

■ 80.6792, 86.9051,
49.8520

■ 0.0000, 0.0000,
0.0000

■ 104.7834,
112.6487, 68.5205

■ 133.2657,

143.0319, 91.3496

166.4916,
178.4390, 118.7577

■ 13.0432, 14.3268,
4.2684

■ 13.0432, 14.3268,
4.2684

■ 12.6726, 13.8753,
3.2521

■ 13.4809, 14.8129,
5.6144

■ 12.3624, 13.4540,
2.5350

■ 13.9896, 15.3336,
7.3153

■ 12.1045, 13.0602,
2.0725

■ 14.5742, 15.8914,
9.3950

■ 11.9685, 12.8461,
1.8487

■ 15.2388, 16.4880,
11.8751

■ 15.9872, 17.1250,
14.7753

■ 16.8229, 17.8038,
18.1142

■ 17.7493, 18.5257,
21.9093

■ 18.7696, 19.2922,
26.1771

■ 19.8867, 20.1044,
30.9333

Harmonies

Analogous

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



16.1182, 14.3268, 4.8702



13.0432, 14.3268, 4.2684



10.5173, 14.3268, 5.6787

Triad

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



13.0432, 14.3268, 4.2684



9.4583, 14.3268, 27.3795



19.5775, 14.3268, 23.3883

Complementary

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



13.0432, 14.3268, 4.2684



5.5440, 4.4385, 17.7040

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.



17.2732, 14.3268, 33.1748



13.0432, 14.3268, 4.2684



11.3893, 14.3268, 36.0096

Square

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



13.0432, 14.3268, 4.2684



8.6518, 14.3268, 17.3271



14.2078, 14.3268, 38.4479



20.1913, 14.3268, 13.9906

Rectangle

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



13.0432, 14.3268, 4.2684



9.3861, 14.3268, 8.0413



14.2078, 14.3268, 38.4479



18.9600, 14.3268, 26.8339

Sweetspot

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



13.0435, 14.3275, 4.2687



27.4250, 29.5348, 23.3009



8.9809, 5.7803, 4.2153



6.2376, 6.7324, 5.0955



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.



13.0435, 14.3275, 4.2687



22.0240, 24.0566, 5.0875



11.3770, 15.4339, 4.5701



3.9198, 4.1726, 3.9411



12.9409, 13.8830, 1.9976



62.5469, 66.6222, 9.5628

Inverse Universe

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



5.5440, 4.4385, 17.7040



7.7586, 5.2791, 30.7470



6.4358, 4.1692, 17.6051



3.5430, 3.6747, 4.6128



3.7760, 1.8918, 18.7087



17.9800, 8.3765, 91.0295

Previews

White Background



This preview shows how the XYZ color 13.0432, 14.3268, 4.2684 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 13.0432, 14.3268, 4.2684 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 13.0432, 14.3268, 4.2684

Background



This preview shows how black text looks on a background with the XYZ color 13.0432, 14.3268, 4.2684.



This preview shows how white text looks on a background with the XYZ color 13.0432, 14.3268,

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

13.0432, 14.3268, 4.2684

Protanopia

13.0432, 14.3268, 4.2684

Deuteranopia

14.4684, 14.3145, 4.3833



Tritanopia

15.4279, 14.2703, 15.8512

Trichromacy



Original Color

13.0432, 14.3268, 4.2684

Protanomaly

13.0432, 14.3268, 4.2684

Deuteranomaly

13.8905, 14.3105, 4.3156

Tritanomaly

14.3387, 14.2649, 10.1813

Monochromacy



Original Color

13.0432, 14.3268, 4.2684

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.4826, 13.4678, 9.5311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0432, 14.3268, 4.2684 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(118, 106, 42)` looks like.

```
.text, #text, p{  
    color:rgb(118, 106, 42)  
}
```

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(118, 106, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 106, 42) }
```

Border

The CSS property to change the border of an element to XYZ 13.0432, 14.3268, 4.2684 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(118, 106, 42) }
```


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

```
.border{ border-color:rgb(118, 106, 42) }
```

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

Here you see how a box with a 4 pixel rgb(118, 106, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 106, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 106, 42);  
box-shadow:4px 4px 4px 4px rgb(118, 106,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0432, 14.3268, 4.2684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 106, 42) }
```

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

```
.background{ background-color: rgb(118,  
106, 42) }
```

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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