

Converting Colors

XYZ(12.2929, 14.8732, 5.2446)

Have a look what the booklet for
XYZ(12.2929, 14.8732, 5.2446)
contains.

XYZ(12.3138, 14.8828, 5.2413) 3

***Conversions* 4**

***Details* 6**

***Harmonies* 12**

***Previews* 24**

***Color Blindness Simulation* 28**

***CSS Examples* 31**

Color

**XYZ(12.3138, 14.8828,
5.2413)**

Conversions

Conversions Part 1	
Format	Color
Hex	6A7032
RGB	106, 112, 50
RGB Percent	42%, 44%, 20%
CMY	0.5843, 0.5608, 0.8039
CMYK	0.05, 0.00, 0.55, 0.56
HSL	66°, 38%, 32%
HSV	66°, 55%, 44%
XYZ	12.3138, 14.8828, 5.2413
YIQ	103.1380, 16.3260, -20.5540

Conversions

Conversions Part 2

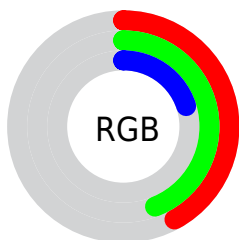
Format	Color
RYB	50, 112, 56
Decimal	6975538
CIELab	45.47, -11.97, 33.23
CIELCh	45, 35.325, 109.808
Yxy	14.8828, 0.3796, 0.4588
Android (android.graphics.Color)	4285165618 (0xFF6A7032)
YUV	103.1380, -26.1970, 2.5100
Hunter-Lab	38.5782, -10.5364, 18.9495

Details

The XYZ color **12.3138, 14.8828, 5.2413** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.6966, 4.2922, 15.8583**, and the grayscale version is **12.9932, 13.6698, 14.8865**.

A 20% lighter version of the original color is **29.7781, 34.8037, 16.7036**, and **3.5317, 4.5410, 0.7478** is the 20% darker color. If you saturate the color by 10%, you get **11.9733, 14.7323, 4.1148**, and if you desaturate by 10%, it is **12.7158, 15.0591, 6.6800**.

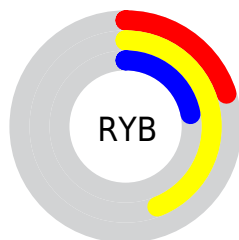
Distribution



Red (42%)

Green (44%)

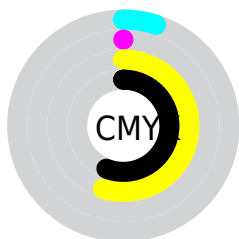
Blue (20%)



Red (20%)

Yellow (44%)

Blue (22%)

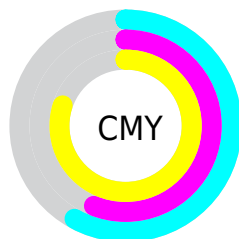


Cyan (5%)

Magenta (0%)

Yellow (55%)

Black (56%)



Cyan (58%)


Magenta (56%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3138, 14.8828, 5.2413 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 12.3138, 14.8828, 5.2413 by changing the saturation by 10% instead.


 12.3138, 14.8828,
5.2413


 12.3138, 14.8828,
5.2413


200.1996,
222.6557, 161.1586

 7.0315, 8.7372,
2.3283


 29.6773, 34.6474,
16.7842


 3.5283, 4.5701,
0.7470

 42.4891, 49.0353,
26.2512


 1.4389, 1.9973,
0.0000

 58.5416, 66.9392,
38.7399

 0.2837, 0.6059,
0.0000

 78.1999, 88.7438,
54.6689

 0.0000, 0.0000,
0.0000

 101.8295,
114.8333, 74.4567

 129.7958,

145.5923, 98.5219

162.4640,
181.4049, 127.2830

■ 12.3138, 14.8828,
5.2413

■ 12.3138, 14.8828,
5.2413

■ 11.9733, 14.7323,
4.1148

■ 12.7158, 15.0591,
6.6800

■ 11.6887, 14.6039,
3.2765

■ 13.1823, 15.2609,
8.4508

■ 11.4556, 14.4962,
2.7004

■ 13.7171, 15.4902,
10.5731

■ 11.2644, 14.4055,
2.3362

■ 14.3236, 15.7483,
13.0644

■ 11.1792, 14.3649,
2.1835

■ 15.0050, 16.0366,
15.9411

■ 15.7641, 16.3562,
19.2187

■ 16.6037, 16.7082,
22.9117

■ 17.5266, 17.0936,
27.0339

■ 18.5351, 17.5135,
31.5986

Harmonies

Analogous

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



15.1705, 14.8828, 4.9170



12.3138, 14.8828, 5.2413



10.2491, 14.8828, 7.8363

Triad

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



12.3138, 14.8828, 5.2413



10.7997, 14.8828, 32.0003



20.4764, 14.8828, 19.2442

Complementary

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



12.3138, 14.8828, 5.2413



5.6966, 4.2922, 15.8583

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.



18.9224, 14.8828, 29.0714



12.3138, 14.8828, 5.2413



13.1680, 14.8828, 37.9548

Square

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



12.3138, 14.8828, 5.2413



9.4626, 14.8828, 22.3389



16.1507, 14.8828, 36.7284



20.1639, 14.8828, 11.3110

Rectangle

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



12.3138, 14.8828, 5.2413



9.4725, 14.8828, 11.2310



16.1507, 14.8828, 36.7284



20.1475, 14.8828, 22.4654

Sweetspot

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



12.3142, 14.8835, 5.2416



24.9285, 27.5655, 21.9806



8.6324, 6.4237, 3.8028



5.9503, 6.6060, 5.1209



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.



12.3142, 14.8835, 5.2416



20.9057, 25.8227, 6.8347



9.3377, 13.3491, 5.1023



3.6116, 3.9006, 3.6359



12.9129, 16.6005, 2.5236



63.9237, 82.4879, 12.5526

Inverse Universe

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



5.6966, 4.2922, 15.8583



8.0401, 5.2078, 27.5112



7.9188, 5.4378, 15.9623



3.2448, 3.3145, 4.2230



3.5272, 1.4278, 17.8113



17.2180, 6.9306, 88.7094

Previews

White Background



This preview shows how the XYZ color 12.3138, 14.8828, 5.2413 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 12.3138, 14.8828, 5.2413 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

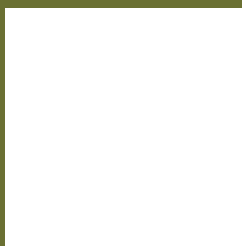
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3138, 14.8828, 5.2413

Background



This preview shows how black text looks on a background with the XYZ color 12.3138, 14.8828, 5.2413.



This preview shows how white text looks on a background with the XYZ color 12.3138, 14.8828,

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

12.3138, 14.8828, 5.2413

Protanopia

13.5247, 14.8688, 5.0629

Deuteranopia

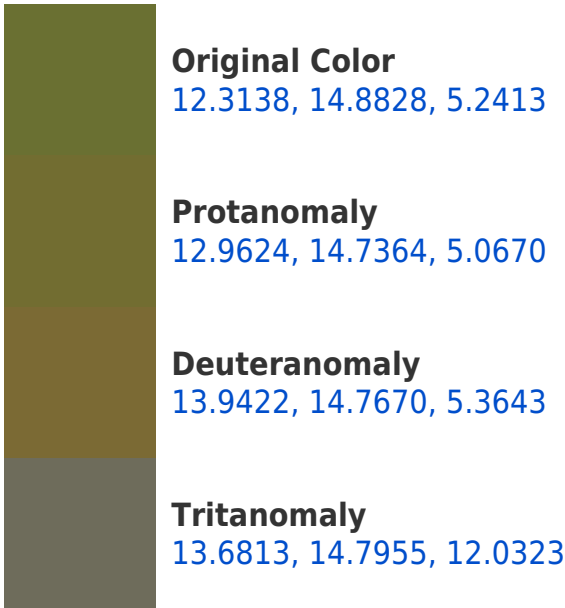
15.0668, 14.7463, 5.4204



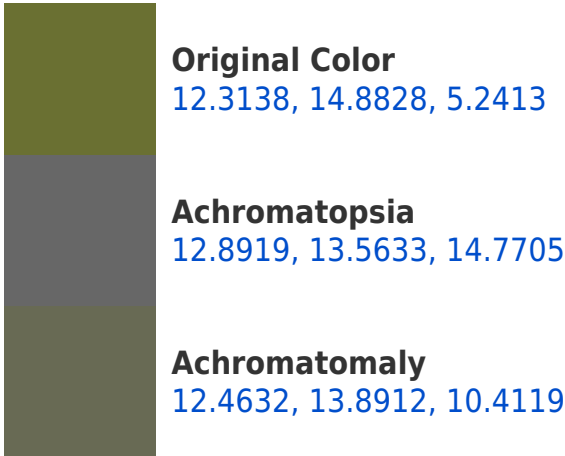
Tritanopia

14.8989, 14.8288, 17.9966

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3138, 14.8828, 5.2413 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(106, 112, 50)` looks like.

```
.text, #text, p{  
    color:rgb(106, 112, 50)  
}
```

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(106, 112, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 112, 50) }
```

Border

The CSS property to change the border of an element to XYZ 12.3138, 14.8828, 5.2413 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(106, 112, 50) }
```


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

```
.border{ border-color:rgb(106, 112, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 112, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 112, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 112, 50);  
box-shadow:4px 4px 4px 4px rgb(106, 112,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3138, 14.8828, 5.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 112, 50) }
```

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

```
.background{ background-color: rgb(106,  
112, 50) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor