

Converting Colors

XYZ(12.7981, 14.9154, 7.6191)

Have a look what the booklet for
XYZ(12.7981, 14.9154, 7.6191)
contains.

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Color

**XYZ(12.7912, 14.9120,
7.6730)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6F44
RGB	107, 111, 68
RGB Percent	42%, 44%, 27%
CMY	0.5804, 0.5647, 0.7333
CMYK	0.04, 0.00, 0.39, 0.56
HSL	66°, 24%, 35%
HSV	66°, 39%, 44%
XYZ	12.7912, 14.9120, 7.6730
YIQ	104.9020, 11.4190, -14.2210

Conversions

Conversions Part 2

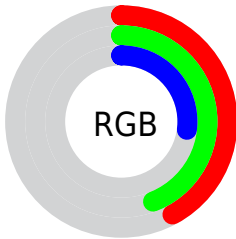
Format	Color
RYB	68, 111, 72
Decimal	7040836
CIELab	45.51, -8.92, 23.45
CIELCh	46, 25.086, 110.818
Yxy	14.9120, 0.3616, 0.4215
Android (android.graphics.Color)	4285230916 (0xFF6B6F44)
YUV	104.9020, -18.1927, 1.8399
Hunter-Lab	38.6161, -8.4517, 15.2503

Details

The XYZ color **12.7912, 14.9120, 7.6730** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.6094, 6.6601, 15.9242**, and the grayscale version is **13.4465, 14.1468, 15.4059**.

A 20% lighter version of the original color is **30.6062, 34.8497, 21.9432**, and **3.7358, 4.5467, 1.4913** is the 20% darker color. If you saturate the color by 10%, you get **12.3607, 14.7261, 6.0489**, and if you desaturate by 10%, it is **13.2881, 15.1257, 9.6358**.

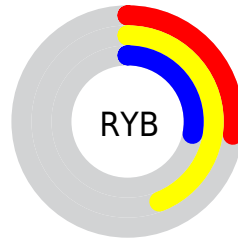
Distribution



Red (42%)

Green (44%)

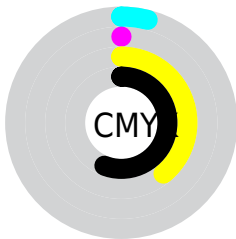
Blue (27%)



Red (27%)

Yellow (44%)

Blue (28%)

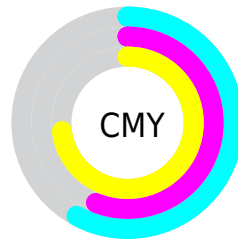


Cyan (4%)

Magenta (0%)

Yellow (39%)

Black (56%)



Cyan (58%)

Magenta (56%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7912, 14.9120, 7.6730 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 12.7912, 14.9120, 7.6730 by changing the saturation by 10% instead.

12.7912, 14.9120,
7.6730

12.7912, 14.9120,
7.6730

203.2399,
222.8330, 182.9820

7.3609, 8.7576,
3.8017

30.5327, 34.6987,
21.8503

3.7372, 4.5834,
1.5172

43.5746, 49.0999,
32.9934

1.5545, 2.0050,
0.2307

59.8844, 67.0188,
47.3975

0.3625, 0.6104,
0.0000

79.8275, 88.8398,
65.4812

0.0000, 0.0000,
0.0000

103.7693,
114.9473, 87.6629

132.0750,

145.7258, 114.3613

165.1101,
181.5595, 145.9948

■ 12.7912, 14.9120,
7.6730

■ 12.7912, 14.9120,
7.6730

■ 12.3607, 14.7261,
6.0489

■ 13.2881, 15.1257,
9.6358

■ 11.9918, 14.5644,
4.7434

■ 13.8537, 15.3666,
11.9539

■ 11.6810, 14.4262,
3.7358

■ 14.4914, 15.6364,
14.6441

■ 11.4237, 14.3095,
3.0024

■ 15.2042, 15.9365,
17.7217

■ 11.2148, 14.2123,
2.5163

■ 15.9948, 16.2679,
21.2014

■ 11.0369, 14.1277,
2.1854

■ 16.8658, 16.6316,
25.0967

■ 11.0146, 14.1172,
2.1444

■ 17.8198, 17.0287,
29.4210

■ 18.8591, 17.4601,
34.1866

■ 19.9861, 17.9267,
39.4057

Harmonies

Analogous

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



14.8251, 14.9120, 7.3120



12.7912, 14.9120, 7.6730



11.2782, 14.9120, 9.9912

Triad

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



12.7912, 14.9120, 7.6730



11.7807, 14.9120, 26.9047



18.5272, 14.9120, 18.1453

Complementary

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



12.7912, 14.9120, 7.6730



7.6094, 6.6601, 15.9242

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.



17.5260, 14.9120, 24.6575



12.7912, 14.9120, 7.6730



13.5411, 14.9120, 30.4727

Square

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



12.7912, 14.9120, 7.6730



10.7359, 14.9120, 20.6852



15.6518, 14.9120, 29.5620



18.2760, 14.9120, 12.4765

Rectangle

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



12.7912, 14.9120, 7.6730



10.7033, 14.9120, 12.7377



15.6518, 14.9120, 29.5620



18.3226, 14.9120, 20.3240

Sweetspot

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



12.7916, 14.9127, 7.6733



25.5230, 27.8187, 24.4147



9.8900, 8.3783, 6.5650



6.1060, 6.6724, 5.7567



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.



12.7916, 14.9127, 7.6733



22.2402, 26.4148, 11.2264



10.5585, 13.7615, 7.5688



3.6128, 3.9012, 3.6359



12.9674, 16.6287, 2.5262



64.2089, 82.6349, 12.5660

Inverse Universe

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



7.6094, 6.6601, 15.9242



11.6175, 9.4916, 28.1495



9.4595, 7.6138, 16.0108



3.2438, 3.3140, 4.2229



3.5212, 1.4246, 17.8110



17.1965, 6.9195, 88.7084

Previews

White Background



This preview shows how the XYZ color 12.7912, 14.9120, 7.6730 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 12.7912, 14.9120, 7.6730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

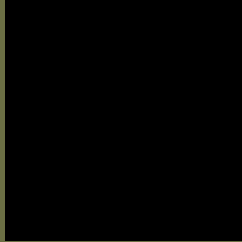
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7912, 14.9120, 7.6730

Background



This preview shows how black text looks on a background with the XYZ color 12.7912, 14.9120, 7.6730.



This preview shows how white text looks on a background with the XYZ color 12.7912, 14.9120,

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

12.7912, 14.9120, 7.6730

Protanopia

13.7118, 14.9123, 7.4659

Deuteranopia

15.1617, 14.8885, 7.8690



Tritanopia

14.7709, 14.7628, 17.9906

Trichromacy



Original Color

12.7912, 14.9120, 7.6730

Protanomaly

13.2918, 14.8532, 7.4766

Deuteranomaly

14.2543, 14.8753, 7.7502

Tritanomaly

13.8458, 14.6935, 13.4156

Monochromacy



Original Color

12.7912, 14.9120, 7.6730

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1333, 14.3523, 12.2033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7912, 14.9120, 7.6730 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(107, 111, 68)` looks like.

```
.text, #text, p{  
    color:rgb(107, 111, 68)  
}
```

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(107, 111, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 111, 68) }
```

Border

The CSS property to change the border of an element to XYZ 12.7912, 14.9120, 7.6730 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(107, 111, 68) }
```


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

```
.border{ border-color:rgb(107, 111, 68) }
```

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

Here you see how a box with a 4 pixel rgb(107, 111, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 111, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 111, 68);  
box-shadow:4px 4px 4px 4px rgb(107, 111,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7912, 14.9120, 7.6730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 111, 68) }
```

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

```
.background{ background-color: rgb(107,  
111, 68) }
```

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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