

Converting Colors

XYZ(12.9589, 14.8141, 10.1622)

Have a look what the booklet for
XYZ(12.9589, 14.8141, 10.1622)
contains.

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Color

**XYZ(12.9246, 14.7643,
10.1512)**

Conversions

Conversions Part 1

Format	Color
Hex	696E52
RGB	105, 110, 82
RGB Percent	41%, 43%, 32%
CMY	0.5882, 0.5686, 0.6784
CMYK	0.05, 0.00, 0.25, 0.57
HSL	71°, 15%, 38%
HSV	71°, 25%, 43%
XYZ	12.9246, 14.7643, 10.1512
YIQ	105.3130, 6.0080, -9.7680

Conversions

Conversions Part 2

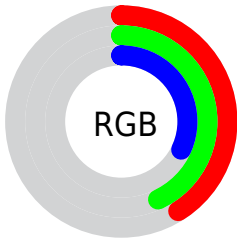
Format	Color
R_{YB}	82, 110, 87
Decimal	6909522
CIE Lab	45.31, -7.15, 15.02
CIE LCh	45, 16.633, 115.457
Yxy	14.7643, 0.3416, 0.3902
Android (android.graphics.Color)	4285099602 (0xFF696E52)
YUV	105.3130, -11.4933, -0.2745
Hunter-Lab	38.4243, -7.2015, 11.2334

Details

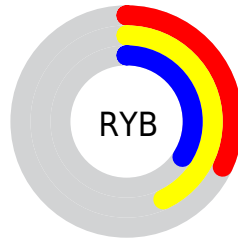
The XYZ color **12.9246, 14.7643, 10.1512** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.7628, 9.1870, 16.0114**, and the grayscale version is **13.5416, 14.2468, 15.5147**.

A 20% lighter version of the original color is **30.7955, 34.5745, 26.8802**, and **3.7988, 4.5584, 2.4299** is the 20% darker color. If you saturate the color by 10%, you get **12.3111, 14.4930, 8.1099**, and if you desaturate by 10%, it is **13.6113, 15.0665, 12.5469**.

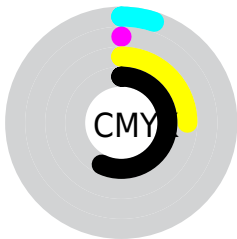
Distribution



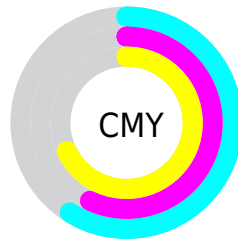
- Red (41%)
- Green (43%)
- Blue (32%)



- Red (32%)
- Yellow (43%)
- Blue (34%)



- Cyan (5%)
- Magenta (0%)
- Yellow (25%)
- Black (57%)



- Cyan (59%)
- Magenta (57%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9246, 14.7643, 10.1512 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 12.9246, 14.7643, 10.1512 by changing the saturation by 10% instead.

■ 12.9246, 14.7643,
10.1512

■ 12.9246, 14.7643,
10.1512

204.0813,
221.9351, 202.2717

■ 7.4533, 8.6541,
5.3924

■ 30.7707, 34.4392,
26.6918

■ 3.7960, 4.5163,
2.4166

■ 43.8763, 48.7726,
39.3106

■ 1.5874, 1.9664,
0.7954

■ 60.2572, 66.6160,
55.3866

■ 0.3842, 0.5878,
0.0000

■ 80.2790, 88.3537,
75.3381

■ 0.0000, 0.0000,
0.0000

■ 104.3069,
114.3700, 99.5839

132.7064,

145.0495, 128.5424

165.8427,
180.7764, 162.6321

■ 12.9246, 14.7643,
10.1512

■ 12.9246, 14.7643,
10.1512

■ 12.3111, 14.4930,
8.1099

■ 13.6113, 15.0665,
12.5469

■ 11.7665, 14.2495,
6.4053

■ 14.3731, 15.3988,
15.3118

■ 11.2876, 14.0328,
5.0194

■ 15.2133, 15.7631,
18.4609

■ 10.8707, 13.8415,
3.9324

■ 16.1345, 16.1604,
22.0082

■ 10.5115, 13.6738,
3.1222

■ 17.1392, 16.5918,
25.9670

■ 10.2051, 13.5280,
2.5635

■ 18.2299, 17.0582,
30.3498

■ 9.9421, 13.4000,
2.2060

■ 19.4089, 17.5605,
35.1687

■ 9.8269, 13.3438,
2.0577

■ 20.6785, 18.0998,
40.4355

■ 22.0408, 18.6767,
46.1612

Harmonies

Analogous

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



14.2440, 14.7643, 9.6354



12.9246, 14.7643, 10.1512



11.9616, 14.7643, 12.1453

Triad

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



12.9246, 14.7643, 10.1512



12.5835, 14.7643, 23.1719



16.8437, 14.7643, 16.6845

Complementary

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



12.9246, 14.7643, 10.1512



9.7628, 9.1870, 16.0114

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.



16.3308, 14.7643, 20.7743



12.9246, 14.7643, 10.1512



13.8242, 14.7643, 24.8895

Square

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



12.9246, 14.7643, 10.1512



11.7739, 14.7643, 19.5633



15.2031, 14.7643, 23.9475



16.5641, 14.7643, 13.0296

Rectangle

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



12.9246, 14.7643, 10.1512



11.6212, 14.7643, 14.2445



15.2031, 14.7643, 23.9475



16.7574, 14.7643, 18.0577

Sweetspot

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



12.9250, 14.7650, 10.1515



24.8583, 26.8755, 25.4839



11.3351, 10.6871, 9.4482



5.7464, 6.2374, 5.7904



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.9250, 14.7650, 10.1515



21.9965, 25.6187, 15.4730



11.4467, 14.0029, 10.0823



3.5863, 3.8876, 3.6347



11.7829, 16.0180, 2.4708



58.0402, 79.4548, 12.2773

Inverse Universe

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



9.7628, 9.1870, 16.0114



15.3568, 13.9036, 27.7815



11.1618, 9.9082, 16.0768



3.2681, 3.3265, 4.2240



3.6991, 1.5164, 17.8193



17.8895, 7.2767, 88.7408

Previews

White Background



This preview shows how the XYZ color 12.9246, 14.7643, 10.1512 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 12.9246, 14.7643, 10.1512 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

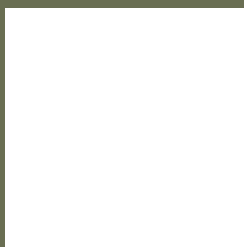
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9246, 14.7643, 10.1512

Background



This preview shows how black text looks on a background with the XYZ color 12.9246, 14.7643, 10.1512.



This preview shows how white text looks on a background with the XYZ color 12.9246, 14.7643,

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

12.9246, 14.7643, 10.1512

Protanopia

13.8131, 14.7543, 9.9044

Deuteranopia

14.8690, 14.6850, 10.2344



Tritanopia

14.4980, 14.7742, 18.0072

Trichromacy



Original Color

12.9246, 14.7643, 10.1512

Protanomaly

13.4033, 14.6987, 9.9153

Deuteranomaly

14.1866, 14.7842, 10.2895

Tritanomaly

13.8403, 14.6628, 14.6711

Monochromacy



Original Color

12.9246, 14.7643, 10.1512

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2411, 14.3817, 13.3873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9246, 14.7643, 10.1512 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(105, 110, 82)` looks like.

```
.text, #text, p{  
    color:rgb(105, 110, 82)  
}
```

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(105, 110, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 110, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.9246, 14.7643, 10.1512 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(105, 110, 82) }
```


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

```
.border{ border-color:rgb(105, 110, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 110, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 110, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 110, 82);  
box-shadow:4px 4px 4px 4px rgb(105, 110,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9246, 14.7643, 10.1512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 110, 82) }
```

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

```
.background{ background-color: rgb(105,  
110, 82) }
```

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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