

Converting Colors

XYZ(12.9009, 14.7148, 11.8332)

Have a look what the booklet for
XYZ(12.9009, 14.7148, 11.8332)
contains.

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Color

**XYZ(12.9009, 14.7148,
11.8332)**

Conversions

Conversions Part 1

Format	Color
Hex	666E5A
RGB	102, 110, 90
RGB Percent	40%, 43%, 35%
CMY	0.6000, 0.5686, 0.6471
CMYK	0.07, 0.00, 0.18, 0.57
HSL	84°, 10%, 39%
HSV	84°, 18%, 43%
XYZ	12.9009, 14.7148, 11.8332
YIQ	105.3280, 1.6520, -7.9160

Conversions

Conversions Part 2

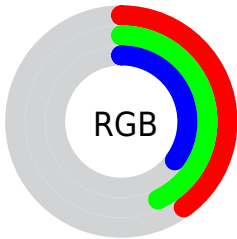
Format	Color
R_{YB}	90, 110, 98
Decimal	6712922
CIE Lab	45.24, -7.01, 10.15
CIE LCh	45, 12.332, 124.648
Yxy	14.7148, 0.3270, 0.3730
Android (android.graphics.Color)	4284903002 (0xFF666E5A)
YUV	105.3280, -7.5567, -2.9187
Hunter-Lab	38.3599, -7.0980, 8.5622

Details

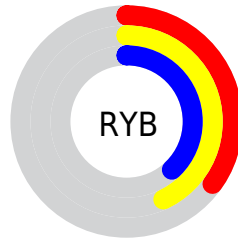
The XYZ color **12.9009, 14.7148, 11.8332** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.5082, 11.0352, 16.2760**, and the grayscale version is **13.5361, 14.2411, 15.5085**.

A 20% lighter version of the original color is **30.7908, 34.5064, 29.8485**, and **3.7528, 4.4393, 3.0420** is the 20% darker color. If you saturate the color by 10%, you get **11.9815, 14.2914, 9.5243**, and if you desaturate by 10%, it is **13.9169, 15.1809, 14.5090**.

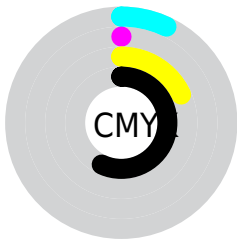
Distribution



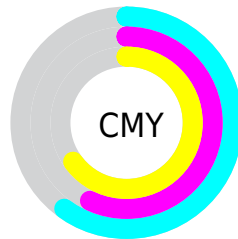
- Red (40%)
- Green (43%)
- Blue (35%)



- Red (35%)
- Yellow (43%)
- Blue (38%)



- Cyan (7%)
- Magenta (0%)
- Yellow (18%)
- Black (57%)



- Cyan (60%)
- Magenta (57%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9009, 14.7148, 11.8332 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 12.9009, 14.7148, 11.8332 by changing the saturation by 10% instead.

■ 12.9009, 14.7148,
11.8332

■ 12.9009, 14.7148,
11.8332

203.9320,
221.6334, 214.2365

■ 7.4369, 8.6195,
6.5090

■ 30.7285, 34.3521,
29.8508

■ 3.7855, 4.4938,
3.0833

■ 43.8227, 48.6628,
43.3813

■ 1.5815, 1.9535,
1.1373

■ 60.1911, 66.4808,
60.4843

■ 0.3803, 0.5802,
0.0000

■ 80.1989, 88.1904,
81.5785

■ 0.0000, 0.0000,
0.0000

104.2116,
114.1761, 107.0822

132.5944,

144.8223, 137.4141

165.7128,
180.5132, 172.9926

■ 12.9009, 14.7148,
11.8332

■ 12.9009, 14.7148,
11.8332

■ 11.9815, 14.2914,
9.5243

■ 13.9169, 15.1809,
14.5090

■ 11.1540, 13.9073,
7.5655

■ 15.0316, 15.6890,
17.5658

■ 10.4152, 13.5617,
5.9397

■ 16.2485, 16.2411,
21.0180

■ 9.7612, 13.2529,
4.6284

■ 17.5703, 16.8385,
24.8792

■ 9.1876, 12.9791,
3.6111

■ 19.0001, 17.4823,
29.1621

■ 8.6896, 12.7384,
2.8649

■ 20.5404, 18.1735,
33.8789

■ 8.2617, 12.5285,
2.3635

■ 22.1939, 18.9133,
39.0416

■ 7.8878, 12.3428,
2.0241

■ 23.9629, 19.7028,
44.6612

■ 7.8226, 12.3105,
1.9639

■ 25.8501, 20.5429,
50.7488

Harmonies

Analogous

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



13.8277, 14.7148, 11.0527



12.9009, 14.7148, 11.8332



12.2883, 14.7148, 13.7364

Triad

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



12.9009, 14.7148, 11.8332



13.1633, 14.7148, 21.6493



16.0321, 14.7148, 15.5713

Complementary

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



12.9009, 14.7148, 11.8332



11.5082, 11.0352, 16.2760

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.



15.8332, 14.7148, 18.5478



12.9009, 14.7148, 11.8332



14.1454, 14.7148, 22.2938

Square

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



12.9009, 14.7148, 11.8332



12.4346, 14.7148, 19.4301



15.1303, 14.7148, 21.0981



15.6613, 14.7148, 13.0376

Rectangle

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



12.9009, 14.7148, 11.8332



12.1237, 14.7148, 15.5040



15.1303, 14.7148, 21.0981



16.0298, 14.7148, 16.5513

Sweetspot

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



12.9013, 14.7154, 11.8335



25.0180, 26.9234, 27.0442



12.6441, 12.7891, 11.4752



5.7986, 6.2546, 6.2301



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.



12.9013, 14.7154, 11.8335



21.9244, 25.5053, 18.9175



11.8355, 14.1660, 11.7836



3.5190, 3.8529, 3.6315



9.3637, 14.7709, 2.3575



45.6521, 73.0685, 11.6975

Inverse Universe

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



11.5082, 11.0352, 16.2760



18.9745, 17.7115, 28.3258



12.6555, 11.6267, 16.3297



3.3322, 3.3595, 4.2270



4.5975, 1.9795, 17.8614



21.9833, 9.3872, 88.9324

Previews

White Background



This preview shows how the XYZ color 12.9009, 14.7148, 11.8332 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 12.9009, 14.7148, 11.8332 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 12.9009, 14.7148, 11.8332

Background



This preview shows how black text looks on a background with the XYZ color 12.9009, 14.7148, 11.8332.



This preview shows how white text looks on a background with the XYZ color 12.9009, 14.7148,

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

12.9009, 14.7148, 11.8332

Protanopia

13.8292, 14.7307, 11.3469

Deuteranopia

14.9070, 14.6668, 11.9428



Tritanopia

14.2961, 14.8174, 18.3262

Trichromacy



Original Color

12.9009, 14.7148, 11.8332

Protanomaly

13.4724, 14.6976, 11.5780

Deuteranomaly

14.1126, 14.7082, 11.9927

Tritanomaly

13.7898, 14.7690, 15.7596

Monochromacy



Original Color

12.9009, 14.7148, 11.8332

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2669, 14.3785, 14.1327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9009, 14.7148, 11.8332 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(102, 110, 90)` looks like.

```
.text, #text, p{  
    color:rgb(102, 110, 90)  
}
```

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(102, 110, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 110, 90) }
```

Border

The CSS property to change the border of an element to XYZ 12.9009, 14.7148, 11.8332 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(102, 110, 90) }
```


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

```
.border{ border-color:rgb(102, 110, 90) }
```

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

Here you see how a box with a 4 pixel rgb(102, 110, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 110, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 110, 90);  
box-shadow:4px 4px 4px 4px rgb(102, 110,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9009, 14.7148, 11.8332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 110, 90) }
```

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

```
.background{ background-color: rgb(102,  
110, 90) }
```

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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