

Converting Colors

XYZ(12.5529, 12.7961, 9.0160)

Have a look what the booklet for
XYZ(12.5529, 12.7961, 9.0160)
contains.

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Color

**XYZ(12.5529, 12.7961,
9.0160)**

Conversions

Conversions Part 1

Format	Color
Hex	71624E
RGB	113, 98, 78
RGB Percent	44%, 38%, 31%
CMY	0.5569, 0.6157, 0.6941
CMYK	0.00, 0.13, 0.31, 0.56
HSL	34°, 18%, 37%
HSV	34°, 31%, 44%
XYZ	12.5529, 12.7961, 9.0160
YIQ	100.2050, 15.3600, -3.0400

Conversions

Conversions Part 2

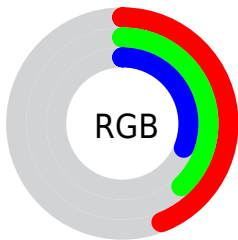
Format	Color
R_{YB}	104, 113, 78
Decimal	7430734
CIE _{Lab}	42.45, 2.67, 13.61
CIE _{LCh}	42, 13.870, 78.906
Yxy	12.7961, 0.3653, 0.3724
Android (android.graphics.Color)	4285620814 (0xFF71624E)
YUV	100.2050, -10.9471, 11.2212
Hunter-Lab	35.7716, 0.0384, 10.0965

Details

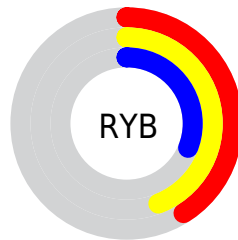
The XYZ color **12.5529, 12.7961, 9.0160** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.0369, 10.6405, 17.1478**, and the grayscale version is **12.1901, 12.8249, 13.9663**.

A 20% lighter version of the original color is **30.0953, 31.0265, 24.4812**, and **3.6311, 3.6615, 2.0287** is the 20% darker color. If you saturate the color by 10%, you get **11.7427, 11.7693, 6.9160**, and if you desaturate by 10%, it is **13.4608, 13.9068, 11.4924**.

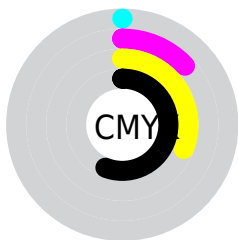
Distribution



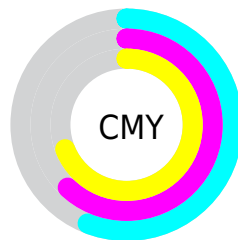
- Red (44%)
- Green (38%)
- Blue (31%)



- Red (41%)
- Yellow (44%)
- Blue (31%)



- Cyan (0%)
- Magenta (13%)
- Yellow (31%)
- Black (56%)



- Cyan (56%)
- Magenta (62%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5529, 12.7961, 9.0160 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 12.5529, 12.7961, 9.0160 by changing the saturation by 10% instead.

■ 12.5529, 12.7961,
9.0160

■ 12.5529, 12.7961,
9.0160

201.7281,
209.6067, 193.7197

■ 7.1963, 7.2883,
4.6547

■ 30.1064, 30.9370,
24.5057

■ 3.6326, 3.6430,
1.9909

■ 43.0339, 44.3388,
36.4711

■ 1.4964, 1.4760,
0.5497

■ 59.2158, 61.1408,
51.8083

■ 0.3234, 0.2717,
0.0000

■ 79.0175, 81.7274,
70.9358

■ 0.0000, 0.0000,
0.0000

■ 102.8041,
106.4828, 94.2721

130.9412,

135.7916, 122.2358

163.7941,
170.0381, 155.2455

■ 12.5529, 12.7961,
9.0160

■ 12.5529, 12.7961,
9.0160

■ 11.7427, 11.7693,
6.9160

■ 13.4608, 13.9068,
11.4924

■ 11.0253, 10.8223,
5.1728

■ 14.4692, 15.1018,
14.3620

■ 10.3964, 9.9530,
3.7660

■ 15.5820, 16.3839,
17.6415

■ 9.8515, 9.1587,
2.6728

■ 16.8025, 17.7552,
21.3465

■ 9.3851, 8.4365,
1.8678

■ 18.1341, 19.2176,
25.4915

■ 8.9910, 7.7831,
1.3213

■ 19.5796, 20.7731,
30.0908

■ 8.6763, 7.2431,
0.9408

■ 21.1420, 22.4235,
35.1575

■ 22.8243, 24.1705,
40.7045

■ 24.6290, 26.0159,
46.7441

Harmonies

Analogous

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



13.5309, 12.7961, 10.0318



12.5529, 12.7961, 9.0160



11.5231, 12.7961, 9.1686

Triad

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



12.5529, 12.7961, 9.0160



10.3594, 12.7961, 15.8809



13.7397, 12.7961, 18.0661

Complementary

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



12.5529, 12.7961, 9.0160



10.0369, 10.6405, 17.1478

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.



12.8248, 12.7961, 20.1140



12.5529, 12.7961, 9.0160



10.8893, 12.7961, 18.7330

Square

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



12.5529, 12.7961, 9.0160



10.2959, 12.7961, 12.8550



11.7799, 12.7961, 20.3742



14.2417, 12.7961, 15.0692

Rectangle

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



12.5529, 12.7961, 9.0160



10.9440, 12.7961, 9.9187



11.7799, 12.7961, 20.3742



13.4679, 12.7961, 18.9056

Sweetspot

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



12.5532, 12.7967, 9.0163



26.2411, 27.4287, 26.6815



11.5178, 9.7529, 11.6703



6.0174, 6.2837, 6.0215



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.



12.5532, 12.7967, 9.0163



21.4425, 21.6085, 13.4378



13.7941, 15.7184, 9.5148



3.5279, 3.6883, 3.5993



9.8220, 8.1764, 1.0605



48.0590, 38.9931, 4.9934

Inverse Universe

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



10.0369, 10.6405, 17.1478



16.1874, 17.1071, 30.4243



9.0417, 8.3612, 16.7603



3.3242, 3.5137, 4.2572



4.5806, 3.7514, 18.2043



21.9959, 17.0436, 90.4096

Previews

White Background



This preview shows how the XYZ color 12.5529, 12.7961, 9.0160 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 12.5529, 12.7961, 9.0160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

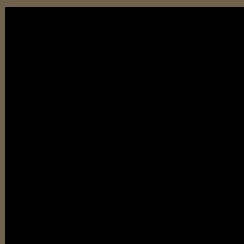
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

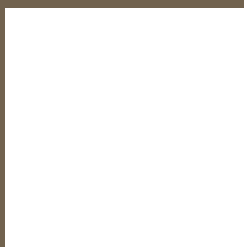
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5529, 12.7961, 9.0160

Background



This preview shows how black text looks on a background with the XYZ color 12.5529, 12.7961, 9.0160.



This preview shows how white text looks on a background with the XYZ color 12.5529, 12.7961,

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

12.5529, 12.7961, 9.0160

Protanopia

12.0319, 12.8047, 9.2345

Deuteranopia

12.8941, 12.6977, 8.9790



Tritanopia

13.6929, 12.8567, 14.3303

Trichromacy



Original Color

12.5529, 12.7961, 9.0160

Protanomaly

12.1798, 12.7394, 9.2141

Deuteranomaly

12.8523, 12.8125, 9.0034

Tritanomaly

13.2289, 12.8009, 12.1295

Monochromacy



Original Color

12.5529, 12.7961, 9.0160

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2193, 12.6996, 11.9325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5529, 12.7961, 9.0160 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(113, 98, 78)` looks like.

```
.text, #text, p{  
    color:rgb(113, 98, 78)  
}
```

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(113, 98, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 98, 78) }
```

Border

The CSS property to change the border of an element to XYZ 12.5529, 12.7961, 9.0160 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(113, 98, 78) }
```


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

```
.border{ border-color:rgb(113, 98, 78) }
```

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

Here you see how a box with a 4 pixel rgb(113, 98, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 98, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 98, 78);  
box-shadow:4px 4px 4px 4px rgb(113, 98,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5529, 12.7961, 9.0160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 98, 78) }
```

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

```
.background{ background-color: rgb(113, 98,  
78) }
```

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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