

Converting Colors

XYZ(12.9416, 15.1142, 9.1423)

Have a look what the booklet for
XYZ(12.9416, 15.1142, 9.1423)
contains.

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Color

**XYZ(12.9244, 15.1134,
9.0735)**

Conversions

Conversions Part 1

Format	Color
Hex	69704C
RGB	105, 112, 76
RGB Percent	41%, 44%, 30%
CMY	0.5882, 0.5608, 0.7020
CMYK	0.06, 0.00, 0.32, 0.56
HSL	72°, 19%, 37%
HSV	72°, 32%, 44%
XYZ	12.9244, 15.1134, 9.0735
YIQ	105.8030, 7.3840, -12.6800

Conversions

Conversions Part 2

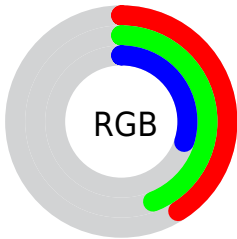
Format	Color
R_{YB}	76, 112, 83
Decimal	6910028
CIE _{Lab}	45.79, -9.22, 19.18
CIE _{LCh}	46, 21.276, 115.674
Yxy	15.1134, 0.3483, 0.4072
Android (android.graphics.Color)	4285100108 (0xFF69704C)
YUV	105.8030, -14.6929, -0.7042
Hunter-Lab	38.8760, -8.6902, 13.3751

Details

The XYZ color **12.9244, 15.1134, 9.0735** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.0769, 8.1782, 16.4302**, and the grayscale version is **13.6835, 14.3961, 15.6774**.

A 20% lighter version of the original color is **30.8818, 35.1997, 24.5686**, and **3.7681, 4.6356, 1.9925** is the 20% darker color. If you saturate the color by 10%, you get **12.3160, 14.8414, 7.1864**, and if you desaturate by 10%, it is **13.6080, 15.4173, 11.3187**.

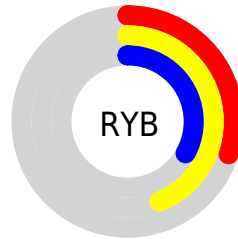
Distribution



Red (41%)

Green (44%)

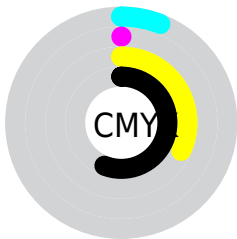
Blue (30%)



Red (30%)

Yellow (44%)

Blue (33%)

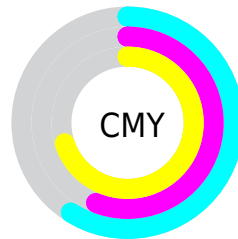


Cyan (6%)

Magenta (0%)

Yellow (32%)

Black (56%)



Cyan (59%)

Magenta (56%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9244, 15.1134, 9.0735 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 12.9244, 15.1134, 9.0735 by changing the saturation by 10% instead.

■ 12.9244, 15.1134,
9.0735

■ 12.9244, 15.1134,
9.0735

204.0800,
224.0516, 194.1635

■ 7.4531, 8.8990,
4.6917

■ 30.7704, 35.0520,
24.6176

■ 3.7959, 4.6754,
2.0120

■ 43.8758, 49.5450,
36.6169

■ 1.5873, 2.0581,
0.5626

■ 60.2567, 67.5663,
51.9926

■ 0.3841, 0.6409,
0.0000

■ 80.2783, 89.5003,
71.1630

■ 0.0000, 0.0000,
0.0000

■ 104.3061,
115.7315, 94.5467

132.7054,

146.6442, 122.5624

165.8416,
182.6227, 155.6284

■ 12.9244, 15.1134,
9.0735

■ 12.9244, 15.1134,
9.0735

■ 12.3160, 14.8414,
7.1864

■ 13.6080, 15.4173,
11.3187

■ 11.7780, 14.5977,
5.6380

■ 14.3689, 15.7523,
13.9382

■ 11.3069, 14.3816,
4.4083

■ 15.2105, 16.1205,
16.9484

■ 10.8985, 14.1913,
3.4750

■ 16.1359, 16.5229,
20.3645

■ 10.5479, 14.0249,
2.8130

■ 17.1478, 16.9607,
24.2007

■ 10.2493, 13.8799,
2.3916

■ 18.2487, 17.4349,
28.4708

■ 10.0322, 13.7736,
2.1298

■ 19.4413, 17.9465,
33.1876

■ 20.7279, 18.4965,
38.3638

■ 22.1109, 19.0859,
44.0111

Harmonies

Analogous

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



14.6261, 15.1134, 8.4526



12.9244, 15.1134, 9.0735



11.7053, 15.1134, 11.4989

Triad

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



12.9244, 15.1134, 9.0735



12.5097, 15.1134, 26.0147



18.0783, 15.1134, 17.2110

Complementary

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



12.9244, 15.1134, 9.0735



9.0769, 8.1782, 16.4302

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.



17.3995, 15.1134, 22.6652



12.9244, 15.1134, 9.0735



14.1067, 15.1134, 28.3747

Square

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



12.9244, 15.1134, 9.0735



11.4802, 15.1134, 21.1076



15.9085, 15.1134, 27.0371



17.6963, 15.1134, 12.5434

Rectangle

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



12.9244, 15.1134, 9.0735



11.2809, 15.1134, 14.1349



15.9085, 15.1134, 27.0371



17.9651, 15.1134, 19.0181

Sweetspot

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



12.9248, 15.1141, 9.0738



25.5084, 27.7888, 25.4264



11.0499, 10.0925, 8.2034



6.0910, 6.6598, 5.9770



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.



12.9248, 15.1141, 9.0738



21.8513, 26.1686, 13.2766



11.0671, 14.1564, 8.9869



3.5814, 3.8851, 3.6345



11.5792, 15.9130, 2.4612



56.9847, 78.9107, 12.2279

Inverse Universe

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



9.0769, 8.1782, 16.4302



13.9035, 11.8357, 28.4815



10.8317, 9.0828, 16.5123



3.2726, 3.3288, 4.2243



3.7416, 1.5383, 17.8213



18.0667, 7.3681, 88.7491

Previews

White Background



This preview shows how the XYZ color 12.9244, 15.1134, 9.0735 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 12.9244, 15.1134, 9.0735 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

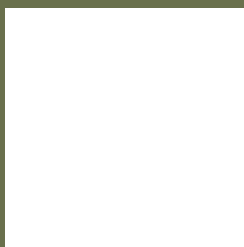
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9244, 15.1134, 9.0735

Background



This preview shows how black text looks on a background with the XYZ color 12.9244, 15.1134, 9.0735.



This preview shows how white text looks on a background with the XYZ color 12.9244, 15.1134,

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

12.9244, 15.1134, 9.0735

Protanopia

13.9347, 15.0014, 8.6397

Deuteranopia

15.3787, 15.1178, 9.3152



Tritanopia

14.7826, 15.0682, 18.3490

Trichromacy



Original Color

12.9244, 15.1134, 9.0735

Protanomaly

13.5487, 14.9560, 8.8293

Deuteranomaly

14.3430, 15.0443, 9.1691

Tritanomaly

14.0019, 15.0650, 14.4818

Monochromacy



Original Color

12.9244, 15.1134, 9.0735

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3720, 14.6155, 12.9428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9244, 15.1134, 9.0735 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, 112, 76)` looks like.

```
.text, #text, p{  
    color:rgb(105, 112, 76)  
}
```

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, 112, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 112, 76) }
```

Border

The CSS property to change the border of an element to XYZ 12.9244, 15.1134, 9.0735 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, 112, 76) }
```


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

```
.border{ border-color:rgb(105, 112, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 112, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 112, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 112, 76);  
box-shadow:4px 4px 4px 4px rgb(105, 112,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9244, 15.1134, 9.0735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 112, 76) }
```

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

```
.background{ background-color: rgb(105,  
112, 76) }
```

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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