

Converting Colors

XYZ(12.9118, 12.7412, 11.7678)

Have a look what the booklet for
XYZ(12.9118, 12.7412, 11.7678)
contains.

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Color

**XYZ(12.9731, 12.8154,
11.6874)**

Conversions

Conversions Part 1

Format	Color
Hex	71615B
RGB	113, 97, 91
RGB Percent	44%, 38%, 36%
CMY	0.5569, 0.6196, 0.6431
CMYK	0.00, 0.14, 0.19, 0.56
HSL	16°, 11%, 40%
HSV	16°, 19%, 44%
XYZ	12.9731, 12.8154, 11.6874
YIQ	101.1000, 11.4620, 1.5260

Conversions

Conversions Part 2

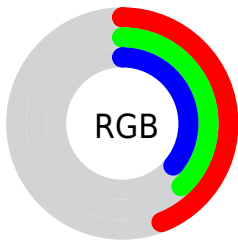
Format	Color
R_{YB}	113, 99, 91
Decimal	7430491
CIE _{Lab}	42.48, 5.35, 5.78
CIE _{LCh}	42, 7.881, 47.224
Yxy	12.8154, 0.3462, 0.3420
Android (android.graphics.Color)	4285620571 (0xFF71615B)
YUV	101.1000, -4.9793, 10.4363
Hunter-Lab	35.7986, 2.0393, 5.7022

Details

The XYZ color **12.9731, 12.8154, 11.6874** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5527, 13.9316, 17.6505**, and the grayscale version is **12.4061, 13.0522, 14.2138**.

A 20% lighter version of the original color is **30.9147, 31.1022, 29.5733**, and **3.8375, 3.6809, 2.9909** is the 20% darker color. If you saturate the color by 10%, you get **11.8016, 11.1946, 9.0703**, and if you desaturate by 10%, it is **14.2974, 14.6241, 14.7179**.

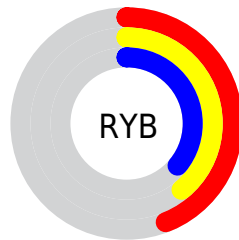
Distribution



Red (44%)

Green (38%)

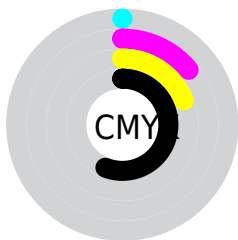
Blue (36%)



Red (44%)

Yellow (39%)

Blue (36%)

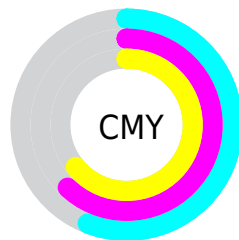


Cyan (0%)

Magenta (14%)

Yellow (19%)

Black (56%)



Cyan (56%)

Magenta (62%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9731, 12.8154, 11.6874 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 12.9731, 12.8154, 11.6874 by changing the saturation by 10% instead.

■ 12.9731, 12.8154,
11.6874

■ 12.9731, 12.8154,
11.6874

204.3863,
209.7312, 213.2286

■ 7.4869, 7.3016,
6.4113

■ 30.8572, 30.9717,
29.5803

■ 3.8174, 3.6514,
3.0239

■ 43.9858, 44.3830,
43.0341

■ 1.5994, 1.4805,
1.1069

■ 60.3925, 61.1956,
60.0510

■ 0.3920, 0.2750,
0.0000

■ 80.4428, 81.7938,
81.0493

■ 0.0000, 0.0000,
0.0000

104.5019,
106.5621, 106.4477

132.9353,

135.8848, 136.6647

166.1083,
170.1464, 172.1188

■ 12.9731, 12.8154,
11.6874

■ 12.9731, 12.8154,
11.6874

■ 11.8016, 11.1946,
9.0703

■ 14.2974, 14.6241,
14.7179

■ 10.7762, 9.7539,
6.8479

■ 15.7788, 16.6247,
18.1780

■ 9.8913, 8.4874,
5.0010

■ 17.4227, 18.8233,
22.0839

■ 9.1403, 7.3883,
3.5085

■ 19.2340, 21.2252,
26.4507

■ 8.5163, 6.4494,
2.3475

■ 21.2173, 23.8357,
31.2929

■ 8.0115, 5.6628,
1.4920

■ 23.3771, 26.6594,
36.6242

■ 7.6173, 5.0199,
0.9121

■ 25.7177, 29.7014,
42.4580

■ 7.3104, 4.5059,
0.5017

■ 28.2432, 32.9660,
48.8068

■ 7.2956, 4.4818,
0.4805

■ 30.9576, 36.4578,
55.6831

Harmonies

Analogous

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



13.3047, 12.8154, 13.0073



12.9731, 12.8154, 11.6874



12.4350, 12.8154, 11.0000

Triad

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



12.9731, 12.8154, 11.6874



11.1001, 12.8154, 13.2427



12.5221, 12.8154, 17.3180

Complementary

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



12.9731, 12.8154, 11.6874



12.5527, 13.9316, 17.6505

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.



11.9298, 12.8154, 17.3940



12.9731, 12.8154, 11.6874



11.1217, 12.8154, 14.9452

Square

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



12.9731, 12.8154, 11.6874



11.3612, 12.8154, 11.8477



11.4212, 12.8154, 16.4957



13.0386, 12.8154, 16.2958

Rectangle

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



12.9731, 12.8154, 11.6874



12.0376, 12.8154, 10.9531



11.4212, 12.8154, 16.4957



12.3249, 12.8154, 17.4578

Sweetspot

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



12.9734, 12.8160, 11.6877



26.4477, 27.3332, 28.3180



13.2122, 12.0574, 15.5779



6.0891, 6.2843, 6.4855



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.



12.9734, 12.8160, 11.6877



22.3285, 21.7053, 18.8974



14.0471, 14.9633, 12.0456



3.4517, 3.5360, 3.5739



8.2604, 5.0533, 0.5400



40.5171, 23.9094, 2.4795

Inverse Universe

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



12.5527, 13.9316, 17.6505



21.4393, 24.0598, 31.4895



11.4903, 11.8067, 17.2963



3.4018, 3.6688, 4.2831



6.8017, 8.1937, 18.9447



33.1377, 39.3273, 94.1235

Previews

White Background



This preview shows how the XYZ color 12.9731, 12.8154, 11.6874 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 12.9731, 12.8154, 11.6874 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 12.9731, 12.8154, 11.6874

Background



This preview shows how black text looks on a background with the XYZ color 12.9731, 12.8154, 11.6874.



This preview shows how white text looks on a background with the XYZ color 12.9731, 12.8154,

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

12.9731, 12.8154, 11.6874

Protanopia

12.2419, 12.8477, 12.1906

Deuteranopia

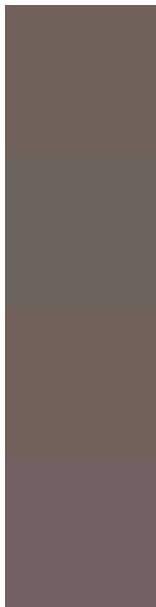
13.1025, 12.8821, 11.6935



Tritanopia

13.4798, 12.7411, 14.5808

Trichromacy



Original Color

12.9731, 12.8154, 11.6874

Protanomaly

12.4570, 12.8222, 11.9436

Deuteranomaly

13.1025, 12.8821, 11.6935

Tritanomaly

13.3744, 12.8440, 13.5786

Monochromacy



Original Color

12.9731, 12.8154, 11.6874

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.5405, 12.9807, 13.1538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9731, 12.8154, 11.6874 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, 97, 91)` looks like.

```
.text, #text, p{  
    color:rgb(113, 97, 91)  
}
```

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, 97, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 97, 91) }
```

Border

The CSS property to change the border of an element to XYZ 12.9731, 12.8154, 11.6874 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, 97, 91) }
```


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

```
.border{ border-color:rgb(113, 97, 91) }
```

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

Here you see how a box with a 4 pixel rgb(113, 97, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 97, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 97, 91);  
box-shadow:4px 4px 4px 4px rgb(113, 97,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9731, 12.8154, 11.6874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 97, 91) }
```

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

```
.background{ background-color: rgb(113, 97,  
91) }
```

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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