

Converting Colors

XYZ(13.7097, 12.9592, 6.2225)

Have a look what the booklet for
XYZ(13.7097, 12.9592, 6.2225)
contains.

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Color

**XYZ(13.7471, 12.9315,
6.1864)**

Conversions

Conversions Part 1

Format	Color
Hex	805E3D
RGB	128, 94, 61
RGB Percent	50%, 37%, 24%
CMY	0.4980, 0.6314, 0.7608
CMYK	0.00, 0.27, 0.52, 0.50
HSL	30°, 35%, 37%
HSV	30°, 52%, 50%
XYZ	13.7471, 12.9315, 6.1864
YIQ	100.4040, 30.8570, -3.0550

Conversions

Conversions Part 2

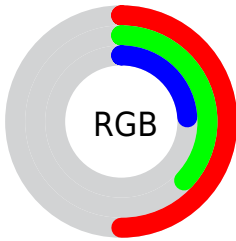
Format	Color
R_{YB}	128, 126, 61
Decimal	8412733
CIE _{Lab}	42.66, 9.61, 24.25
CIE _{LCh}	43, 26.087, 68.373
Yxy	12.9315, 0.4183, 0.3935
Android (android.graphics.Color)	4286602813 (0xFF805E3D)
YUV	100.4040, -19.4262, 24.2017
Hunter-Lab	35.9604, 5.3071, 14.9724

Details

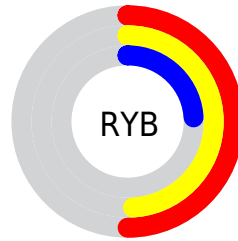
The XYZ color **13.7471, 12.9315, 6.1864** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.9128, 10.7347, 21.9716**, and the grayscale version is **12.2593, 12.8978, 14.0457**.

A 20% lighter version of the original color is **32.2620, 31.1179, 18.7740**, and **4.1386, 3.6909, 1.0246** is the 20% darker color. If you saturate the color by 10%, you get **12.8892, 11.7033, 4.3978**, and if you desaturate by 10%, it is **14.7365, 14.2912, 8.4253**.

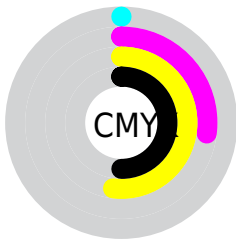
Distribution



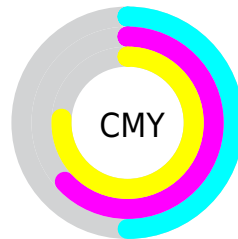
- Red (50%)
- Green (37%)
- Blue (24%)



- Red (50%)
- Yellow (49%)
- Blue (24%)



- Cyan (0%)
- Magenta (27%)
- Yellow (52%)
- Black (50%)





- Cyan (50%)
- Magenta (63%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7471, 12.9315, 6.1864 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 13.7471, 12.9315, 6.1864 by changing the saturation by 10% instead.


 13.7471, 12.9315,
6.1864


 13.7471, 12.9315,
6.1864


209.1941,
210.4782, 170.0868


 8.0255, 7.3814,
2.8881


 32.2296, 31.1807,
18.8009


 4.1632, 3.7017,
1.0378

 45.7213, 44.6485,
28.9542


 1.7949, 1.5082,
0.0000

 62.5337, 61.5244,
42.2296

 0.5146, 0.2945,
0.0000

 83.0322, 82.1927,
59.0456

 0.0000, 0.0000,
0.0000

 107.5821,
107.0379, 79.8208

 136.5488,

136.4442, 104.9737

170.2977,
170.7962, 134.9229

■ 13.7471, 12.9315,
6.1864

■ 13.7471, 12.9315,
6.1864

■ 12.8892, 11.7033,
4.3978

■ 14.7365, 14.2912,
8.4253

■ 12.1549, 10.5998,
3.0269

■ 15.8631, 15.7848,
11.1424

■ 11.5363, 9.6165,
2.0380

■ 17.1332, 17.4173,
14.3641

■ 11.0243, 8.7477,
1.3889

■ 18.5524, 19.1925,
18.1148

■ 10.6823, 8.1497,
1.0100

■ 20.1260, 21.1142,
22.4172

■ 21.8590, 23.1862,
27.2927

■ 23.7562, 25.4118,
32.7615

■ 25.8222, 27.7944,
38.8430

■ 28.0613, 30.3373,
45.5555

Harmonies

Analogous

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



15.5212, 12.9315, 8.3419



13.7471, 12.9315, 6.1864



11.7453, 12.9315, 5.8178

Triad

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



13.7471, 12.9315, 6.1864



8.8984, 12.9315, 15.7271



14.8071, 12.9315, 24.4655

Complementary

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



13.7471, 12.9315, 6.1864



9.9128, 10.7347, 21.9716

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.



12.8533, 12.9315, 27.8438



13.7471, 12.9315, 6.1864



9.5432, 12.9315, 21.9845

Square

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



13.7471, 12.9315, 6.1864



9.0829, 12.9315, 10.4343



10.9415, 12.9315, 26.8309



16.1775, 12.9315, 18.4896

Rectangle

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



13.7471, 12.9315, 6.1864



10.5704, 12.9315, 6.5049



10.9415, 12.9315, 26.8309



14.1889, 12.9315, 26.0067

Sweetspot

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



13.7474, 12.9321, 6.1867



31.6264, 32.5026, 29.1210



12.6646, 8.7643, 11.9984



7.3049, 7.4851, 6.5545



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.7474, 12.9321, 6.1867



22.4035, 20.1781, 7.1752



17.3187, 20.0747, 7.3771



4.4890, 4.6668, 4.5843



10.5937, 8.0838, 1.0020



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.9128, 10.7347, 21.9716



14.8575, 15.8521, 38.2330



7.5499, 6.0088, 21.1839



4.2751, 4.5442, 5.4651



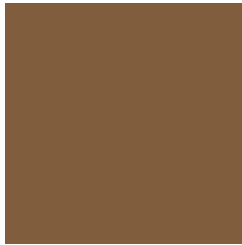
5.7364, 5.2912, 20.9689



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.7471, 12.9315, 6.1864 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 13.7471, 12.9315, 6.1864 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 13.7471, 12.9315, 6.1864

Background



This preview shows how black text looks on a background with the XYZ color 13.7471, 12.9315, 6.1864.



This preview shows how white text looks on a background with the XYZ color 13.7471, 12.9315,

6.1864.

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

13.7471, 12.9315, 6.1864

Protanopia

12.0095, 12.9925, 6.7253

Deuteranopia

13.1669, 12.9029, 6.0715



Tritanopia

15.1276, 12.9822, 12.7748

Trichromacy



Original Color

13.7471, 12.9315, 6.1864

Protanomaly

12.6010, 12.8762, 6.5238

Deuteranomaly

13.3653, 12.8706, 6.0548

Tritanomaly

14.5083, 12.8525, 9.8997

Monochromacy



Original Color

13.7471, 12.9315, 6.1864

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.4778, 12.7222, 10.6021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7471, 12.9315, 6.1864 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(128, 94, 61)` looks like.

```
.text, #text, p{  
    color:rgb(128, 94, 61)  
}
```

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(128, 94, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 94, 61) }
```

Border

The CSS property to change the border of an element to XYZ 13.7471, 12.9315, 6.1864 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(128, 94, 61) }
```


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

```
.border{ border-color:rgb(128, 94, 61) }
```

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

Here you see how a box with a 4 pixel rgb(128, 94, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 94, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 94, 61);  
box-shadow:4px 4px 4px 4px rgb(128, 94,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7471, 12.9315, 6.1864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 94, 61) }
```

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

```
.background{ background-color: rgb(128, 94,  
61) }
```

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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