

Converting Colors

XYZ(12.8534, 13.2393, 2.2934)

Have a look what the booklet for
XYZ(12.8534, 13.2393, 2.2934)
contains.

XYZ(12.8533, 13.2405, 2.2937)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.8533, 13.2405,
2.2937)**

Conversions

Conversions Part 1

Format	Color
Hex	7C630E
RGB	124, 99, 14
RGB Percent	49%, 39%, 5%
CMY	0.5137, 0.6118, 0.9451
CMYK	0.00, 0.20, 0.89, 0.51
HSL	46°, 80%, 27%
HSV	46°, 89%, 49%
XYZ	12.8533, 13.2405, 2.2937
YIQ	96.7850, 42.1850, -21.1350

Conversions

Conversions Part 2

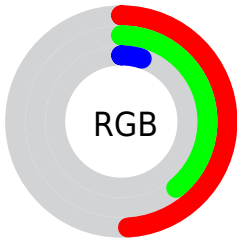
Format	Color
RYB	46, 124, 14
Decimal	8151822
CIELab	43.12, 1.80, 46.70
CIElCh	43, 46.736, 87.792
Yxy	13.2405, 0.4528, 0.4664
Android (android.graphics.Color)	4286341902 (0xFF7C630E)
YUV	96.7850, -40.8130, 23.8676
Hunter-Lab	36.3875, -0.6259, 21.7339

Details

The XYZ color **12.8533, 13.2405, 2.2937** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.5448, 2.9997, 19.4081**, and the grayscale version is **11.3996, 11.9933, 13.0607**.

A 20% lighter version of the original color is **30.5830, 31.6034, 9.7984**, and **3.8716, 3.8858, 0.5460** is the 20% darker color. If you saturate the color by 10%, you get **12.5208, 12.6883, 1.8352**, and if you desaturate by 10%, it is **13.2370, 13.8291, 2.9728**.

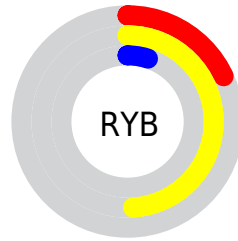
Distribution



Red (49%)

Green (39%)

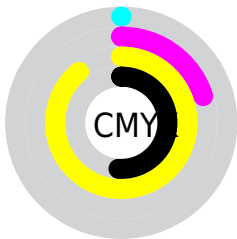
Blue (5%)



Red (18%)

Yellow (49%)

Blue (5%)

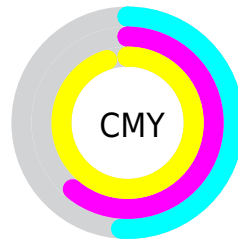


Cyan (0%)

Magenta (20%)

Yellow (89%)

Black (51%)



Cyan (51%)

Magenta (61%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8533, 13.2405, 2.2937 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 12.8533, 13.2405, 2.2937 by changing the saturation by 10% instead.

■ 12.8533, 13.2405,
2.2937

■ 12.8533, 13.2405,
2.2937

203.6320,
212.4533, 126.7825

■ 7.4039, 7.5944,
0.7277

■ 30.6435, 31.7352,
9.8292

■ 3.7645, 3.8365,
0.0000

■ 43.7151, 45.3525,
16.6547

■ 1.5698, 1.5825,
0.0000

■ 60.0581, 62.3957,
26.0766

■ 0.3726, 0.3458,
0.0000


■ 80.0379, 83.2491,
38.5135


■ 0.0000, 0.0000,
0.0000


■ 104.0198,
108.2972, 54.3841


■ 132.3692,


137.9244, 74.1067


 165.4515,
172.5149, 98.1000


 12.8533, 13.2405,
2.2937


 12.8533, 13.2405,
2.2937


 12.5208, 12.6883,
1.8352


 13.2370, 13.8291,
2.9728

 12.4787, 12.6182,
1.7779

 13.6900, 14.4601,
3.9720

 14.2197, 15.1368,
5.3279

 14.8319, 15.8620,
7.0716

 15.5323, 16.6379,
9.2310

■ 16.3255, 17.4665,
11.8315

■ 17.2160, 18.3499,
14.8961

■ 18.2082, 19.2898,
18.4467

■ 19.3059, 20.2880,
22.5034

Harmonies

Analogous

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



16.6474, 13.2405, 3.3058



12.8533, 13.2405, 2.2937



9.6246, 13.2405, 3.0278

Triad

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



12.8533, 13.2405, 2.2937



7.3996, 13.2405, 25.7796



19.3991, 13.2405, 27.7783

Complementary

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



12.8533, 13.2405, 2.2937



4.5448, 2.9997, 19.4081

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.



16.0969, 13.2405, 40.0348



12.8533, 13.2405, 2.2937



9.2434, 13.2405, 38.5446

Square

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



12.8533, 13.2405, 2.2937



6.8565, 13.2405, 13.6662



12.3199, 13.2405, 44.6949



20.8486, 13.2405, 15.1941

Rectangle

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



12.8533, 13.2405, 2.2937



8.1213, 13.2405, 4.7770



12.3199, 13.2405, 44.6949



18.4414, 13.2405, 32.2627

Sweetspot

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



12.8536, 13.2411, 2.2940



28.8879, 30.8983, 21.3558



8.8466, 4.7502, 2.4288



6.7078, 7.1795, 4.7083



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.8536, 13.2411, 2.2940



21.8531, 21.9919, 3.0931



11.9717, 16.8620, 3.0393



4.2342, 4.4868, 4.2674



12.6839, 12.8237, 1.8067



59.8415, 59.8465, 8.3975

Inverse Universe

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



4.5448, 2.9997, 19.4081



7.0485, 3.8535, 33.9289



4.8056, 2.2903, 19.2574



3.8647, 4.0278, 5.0169



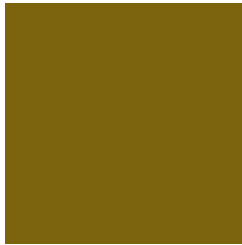
4.1231, 2.3287, 19.6175



19.1235, 10.0196, 93.3959

Previews

White Background



This preview shows how the XYZ color 12.8533, 13.2405, 2.2937 looks on a white background.

Color Contrast Check

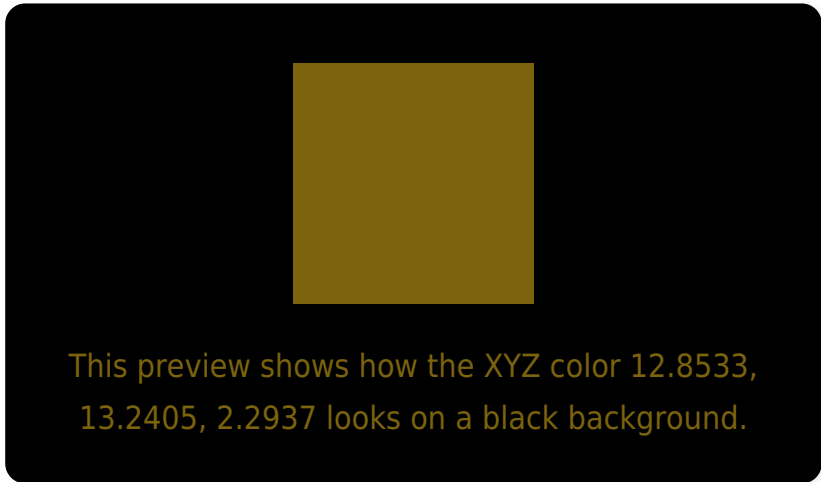
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

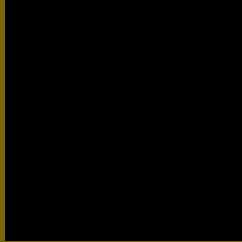
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8533, 13.2405, 2.2937

Background



This preview shows how black text looks on a background with the XYZ color 12.8533, 13.2405, 2.2937.



This preview shows how white text looks on a background with the XYZ color 12.8533, 13.2405,

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

12.8533, 13.2405, 2.2937

Protanopia

11.9078, 13.1821, 2.3687

Deuteranopia

13.4215, 13.2539, 2.3411



Tritanopia

15.1325, 13.2223, 13.5590

Trichromacy



Original Color

12.8533, 13.2405, 2.2937

Protanomaly

12.2111, 13.1934, 2.3549

Deuteranomaly

13.2063, 13.2819, 2.3195

Tritanomaly

13.8880, 13.1138, 7.2681

Monochromacy



Original Color

12.8533, 13.2405, 2.2937

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.4442, 12.2664, 7.0747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8533, 13.2405, 2.2937 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(124, 99, 14)` looks like.

```
.text, #text, p{  
    color:rgb(124, 99, 14)  
}
```

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(124, 99, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 99, 14) }
```

Border

The CSS property to change the border of an element to XYZ 12.8533, 13.2405, 2.2937 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(124, 99, 14) }
```


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

```
.border{ border-color:rgb(124, 99, 14) }
```

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

Here you see how a box with a 4 pixel rgb(124, 99, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 99, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 99, 14);  
box-shadow:4px 4px 4px 4px rgb(124, 99,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8533, 13.2405, 2.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 99, 14) }
```

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

```
.background{ background-color: rgb(124, 99,  
14) }
```

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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