

Converting Colors

XYZ(12.3171, 12.1334, 2.9211)

Have a look what the booklet for
XYZ(12.3171, 12.1334, 2.9211)
contains.

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Color

**XYZ(12.3171, 12.1334,
2.9211)**

Conversions

Conversions Part 1

Format	Color
Hex	7B5D1E
RGB	123, 93, 30
RGB Percent	48%, 36%, 12%
CMY	0.5176, 0.6353, 0.8823
CMYK	0.00, 0.24, 0.76, 0.52
HSL	41°, 61%, 30%
HSV	41°, 76%, 48%
XYZ	12.3171, 12.1334, 2.9211
YIQ	94.7880, 38.1030, -13.2330

Conversions

Conversions Part 2

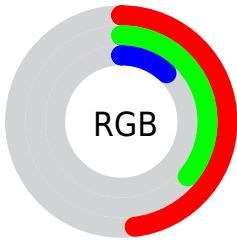
Format	Color
R_{YB}	74, 123, 30
Decimal	8084766
CIE Lab	41.43, 5.49, 39.14
CIE LCh	41, 39.524, 82.014
Yxy	12.1334, 0.4500, 0.4433
Android (android.graphics.Color)	4286274846 (0xFF7B5D1E)
YUV	94.7880, -31.9405, 24.7419
Hunter-Lab	34.8330, 2.1605, 19.4111

Details

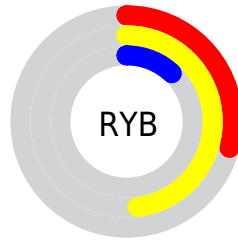
The XYZ color **12.3171, 12.1334, 2.9211** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.7264, 4.9377, 19.3901**, and the grayscale version is **10.8944, 11.4617, 12.4818**.

A 20% lighter version of the original color is **29.5577, 29.6600, 11.3748**, and **3.6150, 3.3726, 0.4604** is the 20% darker color. If you saturate the color by 10%, you get **11.8505, 11.4044, 2.1363**, and if you desaturate by 10%, it is **12.8637, 12.9243, 4.0356**.

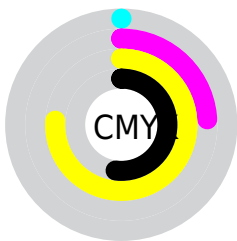
Distribution



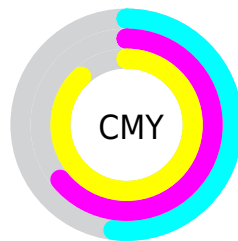
- Red (48%)
- Green (36%)
- Blue (12%)



- Red (29%)
- Yellow (48%)
- Blue (12%)



- Cyan (0%)
- Magenta (24%)
- Yellow (76%)
- Black (52%)





- Cyan (52%)
- Magenta (64%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3171, 12.1334, 2.9211 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 12.3171, 12.1334, 2.9211 by changing the saturation by 10% instead.

 12.3171, 12.1334,
2.9211

 12.3171, 12.1334,
2.9211


200.2207,
205.2864, 135.3493


 7.0338, 6.8346,
1.0545


 29.6832, 29.7378,
11.4331


 3.5297, 3.3589,
0.0000

 42.4967, 42.8123,
18.9156


 1.4397, 1.3218,
0.0000

 58.5509, 59.2473,
29.1071

 0.2842, 0.1580,
0.0000

 78.2112, 79.4275,
42.4262

 0.0000, 0.0000,
0.0000

 101.8430,
103.7370, 59.2915

 129.8116,

132.5605, 80.1214

162.4824,
166.2821, 105.3345

12.3171, 12.1334,
2.9211

12.3171, 12.1334,
2.9211

11.8505, 11.4044,
2.1363

12.8637, 12.9243,
4.0356

11.4519, 10.7306,
1.6228

13.4961, 13.7783,
5.5128

11.2866, 10.4475,
1.4217

14.2205, 14.6989,
7.3825

15.0421, 15.6886,
9.6711

15.9657, 16.7496,
12.4030

■ 16.9959, 17.8842,
15.6002

■ 18.1367, 19.0944,
19.2838

■ 19.3922, 20.3821,
23.4731

■ 20.7660, 21.7493,
28.1867

Harmonies

Analogous

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



15.2775, 12.1334, 4.2535



12.3171, 12.1334, 2.9211



9.5833, 12.1334, 3.3022

Triad

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



12.3171, 12.1334, 2.9211



7.1317, 12.1334, 20.0729



16.4573, 12.1334, 25.5368

Complementary

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



12.3171, 12.1334, 2.9211



5.7264, 4.9377, 19.3901

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.



13.7295, 12.1334, 33.9764



12.3171, 12.1334, 2.9211



8.4556, 12.1334, 30.0151

Square

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



12.3171, 12.1334, 2.9211



6.8812, 12.1334, 11.1328



10.7818, 12.1334, 35.8883



17.9137, 12.1334, 15.5335

Rectangle

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



12.3171, 12.1334, 2.9211



8.2161, 12.1334, 4.5981



10.7818, 12.1334, 35.8883



15.6390, 12.1334, 28.7968

Sweetspot

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



12.3174, 12.1340, 2.9213



28.9518, 30.3986, 23.3112



9.4750, 5.4765, 4.9728



6.6922, 7.0175, 5.1058



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.



12.3174, 12.1340, 2.9213



20.6705, 19.4950, 3.1054



13.4410, 17.4165, 3.8817



4.2039, 4.4263, 4.2573



11.6710, 10.7978, 1.4691



54.8752, 49.9138, 6.7421

Inverse Universe

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



5.7264, 4.9377, 19.3901



8.2921, 6.0612, 34.2895



5.1439, 2.9280, 19.0329



3.8934, 4.0852, 5.0265



4.4675, 3.0175, 19.7323



20.6164, 13.0055, 93.8935

Previews

White Background



This preview shows how the XYZ color 12.3171, 12.1334, 2.9211 looks on a white background.

Color Contrast Check

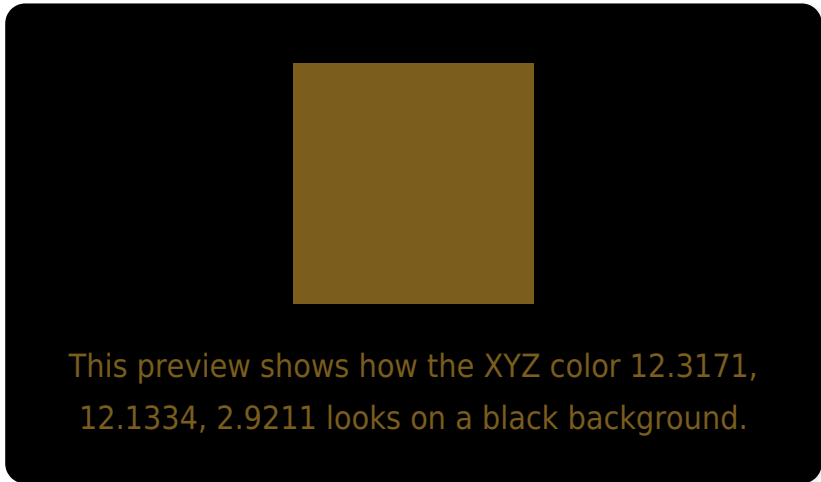
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3171, 12.1334, 2.9211

Background



This preview shows how black text looks on a background with the XYZ color 12.3171, 12.1334, 2.9211.



This preview shows how white text looks on a background with the XYZ color 12.3171, 12.1334,

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

[12.3171](#), [12.1334](#), [2.9211](#)

Protanopia

[11.0454](#), [12.1493](#), [3.0592](#)

Deuteranopia

[12.3171](#), [12.1334](#), [2.9211](#)



Tritanopia

14.1810, 12.1366, 12.1848

Trichromacy



Original Color

12.3171, 12.1334, 2.9211

Protanomaly

11.5004, 12.1095, 3.0276

Deuteranomaly

12.3171, 12.1334, 2.9211

Tritanomaly

13.3139, 12.0353, 7.5826

Monochromacy



Original Color

12.3171, 12.1334, 2.9211

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.9657, 11.4636, 7.5960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3171, 12.1334, 2.9211 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(123, 93, 30)` looks like.

```
.text, #text, p{  
    color:rgb(123, 93, 30)  
}
```

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(123, 93, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 93, 30) }
```

Border

The CSS property to change the border of an element to XYZ 12.3171, 12.1334, 2.9211 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(123, 93, 30) }
```


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

```
.border{ border-color:rgb(123, 93, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 93, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 93, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 93, 30);  
box-shadow:4px 4px 4px 4px rgb(123, 93,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3171, 12.1334, 2.9211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 93, 30) }
```

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

```
.background{ background-color: rgb(123, 93,  
30) }
```

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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