

Converting Colors

XYZ(12.7588, 12.5211, 3.6848)

Have a look what the booklet for
XYZ(12.7588, 12.5211, 3.6848)
contains.

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Color

**XYZ(12.6811, 12.4370,
3.6517)**

Conversions

Conversions Part 1

Format	Color
Hex	7C5E27
RGB	124, 94, 39
RGB Percent	49%, 37%, 15%
CMY	0.5137, 0.6314, 0.8471
CMYK	0.00, 0.24, 0.69, 0.51
HSL	39°, 52%, 32%
HSV	39°, 69%, 49%
XYZ	12.6811, 12.4370, 3.6517
YIQ	96.7000, 35.5350, -10.7450

Conversions

Conversions Part 2

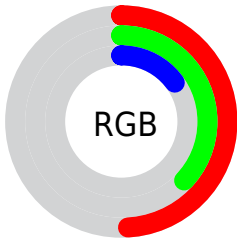
Format	Color
R_{YB}	85, 124, 39
Decimal	8150567
CIE Lab	41.90, 5.91, 35.33
CIE LCh	42, 35.826, 80.501
Yxy	12.4370, 0.4408, 0.4323
Android (android.graphics.Color)	4286340647 (0xFF7C5E27)
YUV	96.7000, -28.4461, 23.9421
Hunter-Lab	35.2661, 2.4698, 18.5470

Details

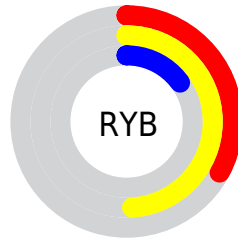
The XYZ color **12.6811, 12.4370, 3.6517** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.6028, 6.1426, 19.9063**, and the grayscale version is **11.3504, 11.9415, 13.0043**.

A 20% lighter version of the original color is **30.2840, 30.2183, 13.2534**, and **3.7294, 3.4916, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **12.1302, 11.6120, 2.6149**, and if you desaturate by 10%, it is **13.3219, 13.3342, 5.0503**.

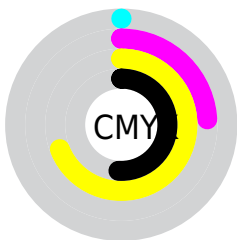
Distribution



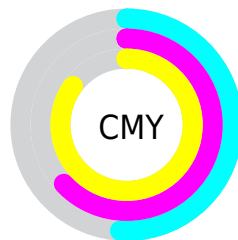
- Red (49%)
- Green (37%)
- Blue (15%)



- Red (33%)
- Yellow (49%)
- Blue (15%)



- Cyan (0%)
- Magenta (24%)
- Yellow (69%)
- Black (51%)



- Cyan (51%)
- Magenta (63%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6811, 12.4370, 3.6517 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 12.6811, 12.4370, 3.6517 by changing the saturation by 10% instead.

■ 12.6811, 12.4370,
3.6517

■ 12.6811, 12.4370,
3.6517

202.5428,
207.2773, 144.2716

■ 7.2848, 7.0420,
1.4363

■ 30.3359, 30.2885,
13.1982

■ 3.6888, 3.4884,
0.1698

■ 43.3251, 43.5139,
21.3663

■ 1.5276, 1.3917,
0.0000

■ 59.5759, 60.1182,
32.3557

■ 0.3445, 0.2106,
0.0000

■ 79.4538, 80.4858,
46.5850

■ 0.0000, 0.0000,
0.0000

■ 103.3241,
105.0011, 64.4727

■ 131.5521,

134.0485, 86.4373

164.5033,
168.0125, 112.8974

■ 12.6811, 12.4370,
3.6517

■ 12.6811, 12.4370,
3.6517

■ 12.1302, 11.6120,
2.6149

■ 13.3219, 13.3342,
5.0503

■ 11.6611, 10.8540,
1.9031

■ 14.0579, 14.3049,
6.8412

■ 11.2552, 10.1554,
1.4187

■ 14.8951, 15.3525,
9.0526

■ 11.1984, 10.0575,
1.3511

■ 15.8386, 16.4796,
11.7099

■ 16.8931, 17.6886,
14.8363

■ 18.0632, 18.9818,
18.4535

■ 19.3528, 20.3614,
22.5818

■ 20.7660, 21.8294,
27.2404

■ 22.3064, 23.3879,
32.4474

Harmonies

Analogous

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



15.3635, 12.4370, 5.1198



12.6811, 12.4370, 3.6517



10.1263, 12.4370, 3.9621

Triad

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



12.6811, 12.4370, 3.6517



7.6653, 12.4370, 19.3163



16.2002, 12.4370, 25.0924

Complementary

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



12.6811, 12.4370, 3.6517



6.6028, 6.1426, 19.9063

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.



13.6950, 12.4370, 32.3015



12.6811, 12.4370, 3.6517



8.8698, 12.4370, 28.1940

Square

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



12.6811, 12.4370, 3.6517



7.4776, 12.4370, 11.2756



11.0007, 12.4370, 33.6104



17.5861, 12.4370, 16.0929

Rectangle

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



12.6811, 12.4370, 3.6517



8.8135, 12.4370, 5.2060



11.0007, 12.4370, 33.6104



15.4449, 12.4370, 27.9274

Sweetspot

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



12.6814, 12.4376, 3.6519



29.1597, 30.4849, 24.3964



10.1485, 6.1805, 6.4802



6.7683, 7.0663, 5.4504



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.



12.6814, 12.4376, 3.6519



20.8837, 19.7000, 3.8588



14.3411, 18.0503, 4.6478



4.1943, 4.4071, 4.2541



11.3818, 10.2195, 1.3727



53.4692, 47.1018, 6.2734

Inverse Universe

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



6.6028, 6.1426, 19.9063



9.4502, 7.9083, 34.5850



5.6956, 3.5930, 19.4620



3.9026, 4.1036, 5.0296



4.6027, 3.2879, 19.7773



21.2220, 14.2167, 94.0954

Previews

White Background



This preview shows how the XYZ color 12.6811, 12.4370, 3.6517 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 12.6811, 12.4370, 3.6517 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 12.6811, 12.4370, 3.6517

Background



This preview shows how black text looks on a background with the XYZ color 12.6811, 12.4370, 3.6517.



This preview shows how white text looks on a background with the XYZ color 12.6811, 12.4370,

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

12.6811, 12.4370, 3.6517

Protanopia

11.2925, 12.3988, 3.8958

Deuteranopia

12.5373, 12.3628, 3.6449



Tritanopia

14.4574, 12.3949, 12.4569

Trichromacy



Original Color

12.6811, 12.4370, 3.6517

Protanomaly

11.7279, 12.3474, 3.7726

Deuteranomaly

12.5373, 12.3628, 3.6449

Tritanomaly

13.6786, 12.3324, 8.3161

Monochromacy



Original Color

12.6811, 12.4370, 3.6517

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5508, 12.0133, 8.5475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6811, 12.4370, 3.6517 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, 94, 39)` looks like.

```
.text, #text, p{  
    color:rgb(124, 94, 39)  
}
```

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, 94, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 94, 39) }
```

Border

The CSS property to change the border of an element to XYZ 12.6811, 12.4370, 3.6517 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, 94, 39) }
```


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

```
.border{ border-color:rgb(124, 94, 39) }
```

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

Here you see how a box with a 4 pixel rgb(124, 94, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 94, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 94, 39);  
box-shadow:4px 4px 4px 4px rgb(124, 94,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6811, 12.4370, 3.6517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 94, 39) }
```

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

```
.background{ background-color: rgb(124, 94,  
39) }
```

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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