

Converting Colors

XYZ(15.7223, 14.1210, 3.7305)

Have a look what the booklet for
XYZ(15.7223, 14.1210, 3.7305)
contains.

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Color

**XYZ(15.7698, 14.1640,
3.7365)**

Conversions

Conversions Part 1

Format	Color
Hex	8F5F26
RGB	143, 95, 38
RGB Percent	56%, 37%, 15%
CMY	0.4392, 0.6274, 0.8510
CMYK	0.00, 0.34, 0.73, 0.44
HSL	33°, 58%, 35%
HSV	33°, 73%, 56%
XYZ	15.7698, 14.1640, 3.7365
YIQ	102.8540, 46.9050, -7.5510

Conversions

Conversions Part 2

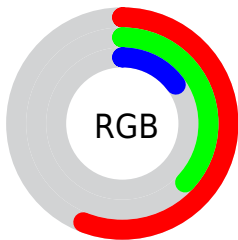
Format	Color
R_{YB}	126, 143, 38
Decimal	9396006
CIE Lab	44.47, 14.11, 39.26
CIE LCh	44, 41.720, 70.229
Yxy	14.1640, 0.4684, 0.4207
Android (android.graphics.Color)	4287586086 (0xFF8F5F26)
YUV	102.8540, -31.9730, 35.2080
Hunter-Lab	37.6351, 8.9334, 20.4581

Details

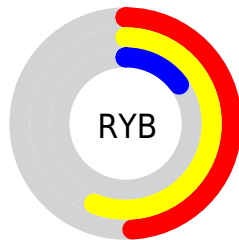
The XYZ color **15.7698, 14.1640, 3.7365** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.0849, 9.0505, 27.2547**, and the grayscale version is **12.9270, 13.6002, 14.8106**.

A 20% lighter version of the original color is **35.6245, 33.2020, 13.3351**, and **5.2181, 4.3205, 0.5589** is the 20% darker color. If you saturate the color by 10%, you get **15.0177, 12.9608, 2.5581**, and if you desaturate by 10%, it is **16.6607, 15.5030, 5.3988**.

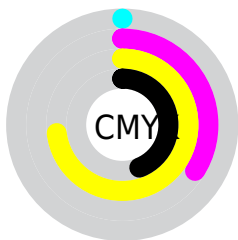
Distribution



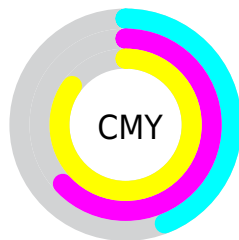
- Red (56%)
- Green (37%)
- Blue (15%)



- Red (49%)
- Yellow (56%)
- Blue (15%)



- Cyan (0%)
- Magenta (34%)
- Yellow (73%)
- Black (44%)



- Cyan (44%)
- Magenta (63%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7698, 14.1640, 3.7365 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 15.7698, 14.1640, 3.7365 by changing the saturation by 10% instead.

■ 15.7698, 14.1640,
3.7365

■ 15.7698, 14.1640,
3.7365

221.2767,
218.2487, 145.2499

■ 9.4512, 8.2348,
1.4819

■ 35.7588, 33.3797,
13.3973

■ 5.0961, 4.2456,
0.2044

■ 50.1599, 47.4351,
21.6407

■ 2.3391, 1.8119,
0.0000

■ 67.9859, 64.9679,
32.7174

■ 0.8146, 0.4945,
0.0000

■ 89.6022, 86.3627,
47.0460

■ 0.0000, 0.0000,
0.0000

■ 115.3740,
112.0038, 65.0450

■ 145.6668,

142.2755, 87.1329

180.8459,
177.5624, 113.7284

15.7698, 14.1640,
3.7365

15.7698, 14.1640,
3.7365

15.0177, 12.9608,
2.5581

16.6607, 15.5030,
5.3988

14.3912, 11.8844,
1.8054

17.6996, 16.9816,
7.5927

14.0261, 11.2364,
1.4296

18.8960, 18.6059,
10.3607

20.2581, 20.3810,
13.7408

21.7936, 22.3115,
17.7680

■ 23.5094, 24.4021,
22.4741

■ 25.4122, 26.6569,
27.8893

■ 27.5082, 29.0799,
34.0417

■ 29.8035, 31.6752,
40.9579

Harmonies

Analogous

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



19.0260, 14.1640, 6.2887



15.7698, 14.1640, 3.7365



12.3467, 14.1640, 3.4352

Triad

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



15.7698, 14.1640, 3.7365



8.0499, 14.1640, 18.9494



18.0843, 14.1640, 34.3163

Complementary

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



15.7698, 14.1640, 3.7365



9.0849, 9.0505, 27.2547

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.



14.6435, 14.1640, 41.7605



15.7698, 14.1640, 3.7365



9.1053, 14.1640, 30.7369

Square

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



15.7698, 14.1640, 3.7365



8.2491, 14.1640, 9.9689



11.3919, 14.1640, 40.2310



20.5087, 14.1640, 22.5710

Rectangle

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



15.7698, 14.1640, 3.7365



10.4629, 14.1640, 4.3187



11.3919, 14.1640, 40.2310



16.9866, 14.1640, 37.5882

Sweetspot

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



15.7701, 14.1647, 3.7368



39.3098, 40.3035, 32.5753



13.7412, 7.9141, 9.8204



8.8556, 9.0456, 7.0437



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.7701, 14.1647, 3.7368



26.1482, 21.9449, 3.6339



20.9035, 25.3170, 5.6188



5.6362, 5.8786, 5.7270



12.4228, 9.9774, 1.2711



0.1408, 0.1395, 0.0195

Inverse Universe

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



9.0849, 9.0505, 27.2547



13.5122, 12.3158, 48.2030



6.5857, 3.8513, 26.3828



5.3200, 5.6357, 6.8362



6.0944, 5.1747, 23.6547



0.0799, 0.0927, 0.2334

Previews

White Background



This preview shows how the XYZ color 15.7698, 14.1640, 3.7365 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 15.7698, 14.1640, 3.7365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

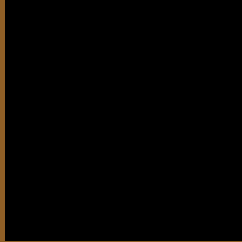
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7698, 14.1640, 3.7365

Background



This preview shows how black text looks on a background with the XYZ color 15.7698, 14.1640, 3.7365.



This preview shows how white text looks on a background with the XYZ color 15.7698, 14.1640,

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

15.7698, 14.1640, 3.7365

Protanopia

13.0255, 14.3197, 4.1753

Deuteranopia

14.3913, 14.1473, 3.6413



Tritanopia

17.7163, 14.1923, 12.8720

Trichromacy



Original Color

15.7698, 14.1640, 3.7365

Protanomaly

13.8868, 14.1680, 4.0103

Deuteranomaly

14.8550, 14.1032, 3.6895

Tritanomaly

16.8651, 14.1012, 8.4895

Monochromacy



Original Color

15.7698, 14.1640, 3.7365

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.4397, 13.5304, 9.3004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7698, 14.1640, 3.7365 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(143, 95, 38)` looks like.

```
.text, #text, p{  
    color:rgb(143, 95, 38)  
}
```

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(143, 95, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 95, 38) }
```

Border

The CSS property to change the border of an element to XYZ 15.7698, 14.1640, 3.7365 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(143, 95, 38) }
```


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

```
.border{ border-color:rgb(143, 95, 38) }
```

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

Here you see how a box with a 4 pixel rgb(143, 95, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 95, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 95, 38);  
box-shadow:4px 4px 4px 4px rgb(143, 95,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7698, 14.1640, 3.7365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 95, 38) }
```

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

```
.background{ background-color: rgb(143, 95,  
38) }
```

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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