

Converting Colors

XYZ(15.7405, 12.3891, 7.1286)

Have a look what the booklet for
XYZ(15.7405, 12.3891, 7.1286)
contains.

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Color

**XYZ(15.6937, 12.3343,
7.1838)**

Conversions

Conversions Part 1

Format	Color
Hex	915145
RGB	145, 81, 69
RGB Percent	57%, 32%, 27%
CMY	0.4314, 0.6823, 0.7294
CMYK	0.00, 0.44, 0.52, 0.43
HSL	9°, 36%, 42%
HSV	9°, 52%, 57%
XYZ	15.6937, 12.3343, 7.1838
YIQ	98.7680, 41.9960, 9.8360

Conversions

Conversions Part 2

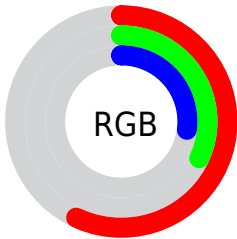
Format	Color
R_{YB}	145, 83, 69
Decimal	9523525
CIE _{Lab}	41.74, 25.41, 18.74
CIE _{LCh}	42, 31.576, 36.406
Yxy	12.3343, 0.4457, 0.3503
Android (android.graphics.Color)	4287713605 (0xFF915145)
YUV	98.7680, -14.6756, 40.5455
Hunter-Lab	35.1202, 18.3035, 12.4565

Details

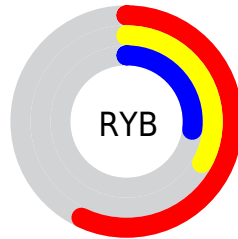
The XYZ color **15.6937, 12.3343, 7.1838** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.9521, 20.0836, 29.8238**, and the grayscale version is **11.8300, 12.4461, 13.5538**.

A 20% lighter version of the original color is **35.6843, 30.0735, 20.7536**, and **5.0729, 3.4428, 1.3744** is the 20% darker color. If you saturate the color by 10%, you get **14.4702, 10.5218, 4.8202**, and if you desaturate by 10%, it is **17.1910, 14.5184, 10.1816**.

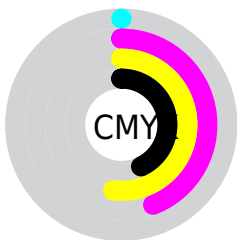
Distribution



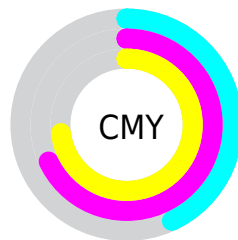
- Red (57%)
- Green (32%)
- Blue (27%)



- Red (57%)
- Yellow (33%)
- Blue (27%)



- Cyan (0%)
- Magenta (44%)
- Yellow (52%)
- Black (43%)





- Cyan (43%)
- Magenta (68%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6937, 12.3343, 7.1838 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 15.6937, 12.3343, 7.1838 by changing the saturation by 10% instead.


 15.6937, 12.3343,
7.1838


 15.6937, 12.3343,
7.1838


220.8336,
206.6061, 178.8708


 9.3971, 6.9718,
3.4971


 35.6274, 30.1025,
20.8612

 5.0603, 3.4445,
1.3537

 49.9952, 43.2770,
31.6889

 2.3178, 1.3679,
0.1052

 67.7842, 59.8243,
45.7341

 0.8038, 0.1929,
0.0000

 89.3597, 80.1287,
63.4153

 0.0000, 0.0000,
0.0000

 115.0870,
104.5747, 85.1511

145.3315,

133.5467, 111.3598

180.4586,
167.4290, 142.4602

■ 15.6937, 12.3343,
7.1838

■ 15.6937, 12.3343,
7.1838

■ 14.4702, 10.5218,
4.8202

■ 17.1910, 14.5184,
10.1816

■ 13.5028, 9.0583,
3.0443

■ 18.9766, 17.0913,
13.8542

■ 12.7727, 7.9215,
1.8041

■ 21.0650, 20.0715,
18.2397

■ 12.2584, 7.0859,
1.0382

■ 23.4697, 23.4757,
23.3731

■ 11.9815, 6.6287,
0.6480

■ 26.2030, 27.3196,
29.2872

■ 29.2769, 31.6182,
36.0126

■ 32.7025, 36.3857,
43.5785

■ 36.4906, 41.6357,
52.0125

■ 40.6514, 47.3812,
61.3410

Harmonies

Analogous

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



16.7400, 12.3343, 12.0541



15.6937, 12.3343, 7.1838



13.6015, 12.3343, 4.7934

Triad

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



15.6937, 12.3343, 7.1838



8.0914, 12.3343, 8.9370



12.2283, 12.3343, 30.5521

Complementary

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



15.6937, 12.3343, 7.1838



15.9521, 20.0836, 29.8238

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.



10.0266, 12.3343, 28.8740



15.6937, 12.3343, 7.1838



7.8248, 12.3343, 14.9068

Square

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



15.6937, 12.3343, 7.1838



9.2696, 12.3343, 5.5472



8.4864, 12.3343, 22.5315



14.5760, 12.3343, 26.5635

Rectangle

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



15.6937, 12.3343, 7.1838



12.0053, 12.3343, 4.2875



8.4864, 12.3343, 22.5315



11.4459, 12.3343, 30.6468

Sweetspot

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



15.6940, 12.3349, 7.1840



40.2737, 39.5594, 38.0906



18.0804, 11.9861, 23.7689



8.7858, 8.5548, 8.1031



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.



15.6940, 12.3349, 7.1840



25.5505, 18.2981, 7.9497



19.2769, 19.5007, 8.3783



5.4734, 5.5532, 5.6728



10.2904, 5.7125, 0.5603



0.1089, 0.0756, 0.0089

Inverse Universe

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



15.9521, 20.0836, 29.8238



26.0258, 33.6771, 53.1022



11.7116, 11.6026, 28.4103



5.4887, 5.9733, 6.8924



10.3789, 13.7439, 25.0829



0.1118, 0.1566, 0.2440

Previews

White Background



This preview shows how the XYZ color 15.6937, 12.3343, 7.1838 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 15.6937, 12.3343, 7.1838 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 15.6937, 12.3343, 7.1838

Background



This preview shows how black text looks on a background with the XYZ color 15.6937, 12.3343, 7.1838.



This preview shows how white text looks on a background with the XYZ color 15.6937, 12.3343,

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

15.6937, 12.3343, 7.1838

Protanopia

11.7453, 12.5237, 8.8194

Deuteranopia

12.6833, 12.4997, 6.8985



Tritanopia

16.2503, 12.3430, 9.9135

Trichromacy



Original Color

15.6937, 12.3343, 7.1838

Protanomaly

12.8089, 12.1418, 8.1471

Deuteranomaly

13.5714, 12.3068, 6.9703

Tritanomaly

16.1340, 12.4128, 8.9427

Monochromacy



Original Color

15.6937, 12.3343, 7.1838

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.7911, 12.0719, 10.8885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6937, 12.3343, 7.1838 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(145, 81, 69)` looks like.

```
.text, #text, p{  
    color:rgb(145, 81, 69)  
}
```

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(145, 81, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 81, 69) }
```

Border

The CSS property to change the border of an element to XYZ 15.6937, 12.3343, 7.1838 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(145, 81, 69) }
```


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

```
.border{ border-color:rgb(145, 81, 69) }
```

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

Here you see how a box with a 4 pixel rgb(145, 81, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 81, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 81, 69);  
box-shadow:4px 4px 4px 4px rgb(145, 81,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6937, 12.3343, 7.1838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 81, 69) }
```

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

```
.background{ background-color: rgb(145, 81,  
69) }
```

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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