

Converting Colors

XYZ(15.7756, 13.5616, 6.5214)

Have a look what the booklet for
XYZ(15.7756, 13.5616, 6.5214)
contains.

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Color

**XYZ(15.7936, 13.5918,
6.4937)**

Conversions

Conversions Part 1

Format	Color
Hex	8E5B3F
RGB	142, 91, 63
RGB Percent	56%, 36%, 25%
CMY	0.4431, 0.6431, 0.7529
CMYK	0.00, 0.36, 0.56, 0.44
HSL	21°, 39%, 40%
HSV	21°, 56%, 56%
XYZ	15.7936, 13.5918, 6.4937
YIQ	103.0570, 39.3840, 2.1040

Conversions

Conversions Part 2

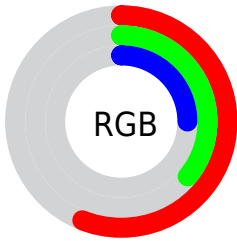
Format	Color
R_{YB}	142, 106, 63
Decimal	9329471
CIE _{Lab}	43.64, 17.81, 24.69
CIE _{LCh}	44, 30.443, 54.198
Yxy	13.5918, 0.4402, 0.3788
Android (android.graphics.Color)	4287519551 (0xFF8E5B3F)
YUV	103.0570, -19.7481, 34.1530
Hunter-Lab	36.8671, 11.9508, 15.3637

Details

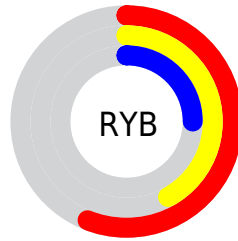
The XYZ color **15.7936, 13.5918, 6.4937** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.9494, 15.0437, 27.8123**, and the grayscale version is **12.9508, 13.6253, 14.8379**.

A 20% lighter version of the original color is **35.6828, 32.2032, 19.3741**, and **5.0804, 3.9985, 1.1201** is the 20% darker color. If you saturate the color by 10%, you get **14.7105, 11.9809, 4.4210**, and if you desaturate by 10%, it is **17.0755, 15.4365, 9.1380**.

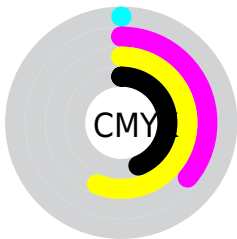
Distribution



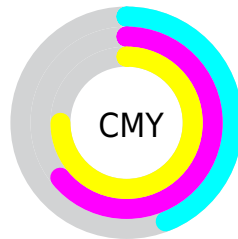
- Red (56%)
- Green (36%)
- Blue (25%)



- Red (56%)
- Yellow (42%)
- Blue (25%)



- Cyan (0%)
- Magenta (36%)
- Yellow (56%)
- Black (44%)





- Cyan (44%)
- Magenta (64%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7936, 13.5918, 6.4937 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 15.7936, 13.5918, 6.4937 by changing the saturation by 10% instead.


 15.7936, 13.5918,
6.4937


 15.7936, 13.5918,
6.4937


221.4151,
214.6764, 172.8559


 9.4681, 7.8373,
3.0739


 35.7999, 32.3630,
19.4424


 5.1073, 3.9910,
1.1325

 50.2114, 46.1484,
29.8084

 2.3458, 1.6685,
0.0000

 68.0489, 63.3797,
43.3269

 0.8179, 0.4032,
0.0000

 89.6779, 84.4411,
60.4165

 0.0000, 0.0000,
0.0000

 115.4637,
109.7171, 81.4956

 145.7716,

139.5920, 106.9829

180.9669,
174.4503, 137.2968

■ 15.7936, 13.5918,
6.4937

■ 15.7936, 13.5918,
6.4937

■ 14.7105, 11.9809,
4.4210

■ 17.0755, 15.4365,
9.1380

■ 13.8137, 10.5917,
2.8756

■ 18.5656, 17.5223,
12.3921

■ 13.0907, 9.4138,
1.8078

■ 20.2740, 19.8588,
16.2917

■ 12.5242, 8.4342,
1.1459

■ 22.2095, 22.4543,
20.8696

■ 12.3103, 8.0607,
0.9070

■ 24.3808, 25.3168,
26.1562

■ 26.7958, 28.4539,
32.1803

■ 29.4621, 31.8727,
38.9688

■ 32.3870, 35.5804,
46.5474

■ 35.5774, 39.5837,
54.9406

Harmonies

Analogous

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



17.5732, 13.5918, 10.0389



15.7936, 13.5918, 6.4937



13.3881, 13.5918, 5.1960

Triad

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



15.7936, 13.5918, 6.4937



8.8695, 13.5918, 13.5099



14.8926, 13.5918, 30.3168

Complementary

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



15.7936, 13.5918, 6.4937



12.9494, 15.0437, 27.8123

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.



12.4602, 13.5918, 32.1051



15.7936, 13.5918, 6.4937



9.1683, 13.5918, 20.8670

Square

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



15.7936, 13.5918, 6.4937



9.5424, 13.5918, 8.3650



10.4156, 13.5918, 28.2238



17.0098, 13.5918, 23.8965

Rectangle

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



15.7936, 13.5918, 6.4937



11.8253, 13.5918, 5.3641



10.4156, 13.5918, 28.2238



14.0773, 13.5918, 31.5484

Sweetspot

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



15.7939, 13.5925, 6.4940



38.5484, 38.7759, 35.3254



15.9901, 10.5288, 17.2138



8.4758, 8.4816, 7.5705



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.7939, 13.5925, 6.4940



25.4724, 20.4129, 6.9545



20.0551, 22.1148, 7.9144



5.5555, 5.7174, 5.7001



11.0690, 7.2696, 0.8198



0.1252, 0.1082, 0.0143

Inverse Universe

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



12.9494, 15.0437, 27.8123



19.8865, 23.1779, 48.5535



9.4384, 8.0217, 26.6420



5.4016, 5.7990, 6.8634



7.8117, 8.6093, 24.2271



0.0955, 0.1240, 0.2386

Previews

White Background



This preview shows how the XYZ color 15.7936, 13.5918, 6.4937 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 15.7936, 13.5918, 6.4937 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 15.7936, 13.5918, 6.4937

Background



This preview shows how black text looks on a background with the XYZ color 15.7936, 13.5918, 6.4937.



This preview shows how white text looks on a background with the XYZ color 15.7936, 13.5918,

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

15.7936, 13.5918, 6.4937

Protanopia

12.6758, 13.7627, 7.4572

Deuteranopia

13.9083, 13.6962, 6.3255



Tritanopia

16.9302, 13.5538, 12.3135

Trichromacy



Original Color

15.7936, 13.5918, 6.4937

Protanomaly

13.6136, 13.5280, 7.0479

Deuteranomaly

14.5681, 13.6191, 6.4184

Tritanomaly

16.3787, 13.4436, 9.9152

Monochromacy



Original Color

15.7936, 13.5918, 6.4937

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.5594, 13.4102, 11.1063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7936, 13.5918, 6.4937 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(142, 91, 63)` looks like.

```
.text, #text, p{  
    color:rgb(142, 91, 63)  
}
```

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(142, 91, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 91, 63) }
```

Border

The CSS property to change the border of an element to XYZ 15.7936, 13.5918, 6.4937 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(142, 91, 63) }
```


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

```
.border{ border-color:rgb(142, 91, 63) }
```

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

Here you see how a box with a 4 pixel rgb(142, 91, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 91, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 91, 63);  
box-shadow:4px 4px 4px 4px rgb(142, 91,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7936, 13.5918, 6.4937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 91, 63) }
```

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

```
.background{ background-color: rgb(142, 91,  
63) }
```

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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