

Converting Colors

XYZ(15.8933, 16.1732, 6.6989)

Have a look what the booklet for
XYZ(15.8933, 16.1732, 6.6989)
contains.

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Color

**XYZ(15.9838, 16.2607,
6.7111)**

Conversions

Conversions Part 1

Format	Color
Hex	856D3D
RGB	133, 109, 61
RGB Percent	52%, 43%, 24%
CMY	0.4784, 0.5725, 0.7608
CMYK	0.00, 0.18, 0.54, 0.48
HSL	40°, 37%, 38%
HSV	40°, 54%, 52%
XYZ	15.9838, 16.2607, 6.7111
YIQ	110.7040, 29.7120, -9.8400

Conversions

Conversions Part 2

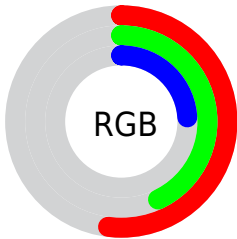
Format	Color
R_{YB}	97, 133, 61
Decimal	8744253
CIE _{Lab}	47.31, 3.08, 30.16
CIE _{LCh}	47, 30.317, 84.177
Yxy	16.2607, 0.4103, 0.4174
Android (android.graphics.Color)	4286934333 (0xFF856D3D)
YUV	110.7040, -24.5041, 19.5536
Hunter-Lab	40.3246, 0.1856, 18.3597

Details

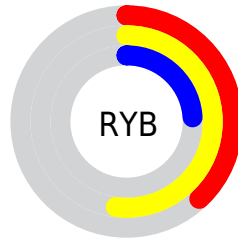
The XYZ color **15.9838, 16.2607, 6.7111** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.4065, 9.1823, 23.4668**, and the grayscale version is **15.0867, 15.8723, 17.2850**.

A 20% lighter version of the original color is **36.1243, 36.9588, 19.9816**, and **5.2022, 5.2291, 1.1871** is the 20% darker color. If you saturate the color by 10%, you get **15.2082, 15.2134, 4.8990**, and if you desaturate by 10%, it is **16.8730, 17.3928, 8.9998**.

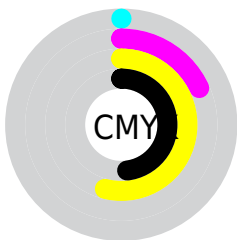
Distribution



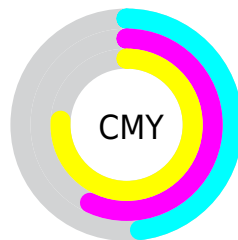
- Red (52%)
- Green (43%)
- Blue (24%)



- Red (38%)
- Yellow (52%)
- Blue (24%)



- Cyan (0%)
- Magenta (18%)
- Yellow (54%)
- Black (48%)



- Cyan (48%)
- Magenta (57%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9838, 16.2607, 6.7111 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 15.9838, 16.2607, 6.7111 by changing the saturation by 10% instead.

■ 15.9838, 16.2607,
6.7111

■ 15.9838, 16.2607,
6.7111

222.5184,
230.8752, 174.7799

■ 9.6035, 9.7088,
3.2064

■ 36.1278, 37.0502,
19.8925

■ 5.1971, 5.2063,
1.2010

■ 50.6221, 52.0566,
30.4063

■ 2.3993, 2.3688,
0.0000

■ 68.5518, 70.6500,
44.0935

■ 0.8448, 0.8098,
0.0000

■ 90.2822, 93.2147,
61.3726

■ 0.0000, 0.0000,
0.0000

■ 116.1787,
120.1352, 82.6623

■ 146.6067,

151.7959, 108.3811

181.9315,
188.5810, 138.9474

■ 15.9838, 16.2607,
6.7111

■ 15.9838, 16.2607,
6.7111

■ 15.2082, 15.2134,
4.8990

■ 16.8730, 17.3928,
8.9998

■ 14.5378, 14.2452,
3.5273

■ 17.8808, 18.6106,
11.7960

■ 13.9652, 13.3531,
2.5558

■ 19.0136, 19.9175,
15.1290

■ 13.4800, 12.5324,
1.9326

■ 20.2767, 21.3163,
19.0256

■ 13.2180, 12.0768,
1.6344

■ 21.6752, 22.8095,
23.5107

■ 23.2137, 24.3996,
28.6080

■ 24.8969, 26.0888,
34.3396

■ 26.7290, 27.8793,
40.7266

■ 28.7141, 29.7732,
47.7890

Harmonies

Analogous

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



18.6702, 16.2607, 8.2356



15.9838, 16.2607, 6.7111



13.4403, 16.2607, 7.3693

Triad

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



15.9838, 16.2607, 6.7111



11.2165, 16.2607, 24.4599



20.0192, 16.2607, 27.8183

Complementary

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



15.9838, 16.2607, 6.7111



9.4065, 9.1823, 23.4668

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.



17.6623, 16.2607, 34.8601



15.9838, 16.2607, 6.7111



12.6324, 16.2607, 32.5615

Square

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



15.9838, 16.2607, 6.7111



10.8766, 16.2607, 16.2503



14.9386, 16.2607, 36.8084



21.1666, 16.2607, 19.2443

Rectangle

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



15.9838, 16.2607, 6.7111



12.1366, 16.2607, 9.0929



14.9386, 16.2607, 36.8084



19.3298, 16.2607, 30.5318

Sweetspot

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



15.9842, 16.2615, 6.7114



35.7866, 37.6003, 32.4255



12.9814, 8.9801, 9.6437



7.9732, 8.3730, 7.0279



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.9842, 16.2615, 6.7114



26.9370, 26.8253, 8.1293



17.1150, 21.1769, 7.6006



4.9124, 5.1684, 4.9681



12.5980, 11.5186, 1.5593



0.0504, 0.0534, 0.0076

Inverse Universe

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



9.4065, 9.1823, 23.4668



13.8787, 12.7982, 41.4772



8.6502, 6.4476, 22.9788



4.5519, 4.7795, 5.8834



4.9091, 3.3660, 21.5277



0.0232, 0.0240, 0.0766

Previews

White Background



This preview shows how the XYZ color 15.9838, 16.2607, 6.7111 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 15.9838, 16.2607, 6.7111 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 15.9838, 16.2607, 6.7111

Background



This preview shows how black text looks on a background with the XYZ color 15.9838, 16.2607, 6.7111.



This preview shows how white text looks on a background with the XYZ color 15.9838, 16.2607,

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

15.9838, 16.2607, 6.7111

Protanopia

14.9759, 16.2212, 6.8991

Deuteranopia

16.4165, 16.1707, 6.6709



Tritanopia

18.0360, 16.1666, 17.2088

Trichromacy



Original Color

15.9838, 16.2607, 6.7111

Protanomaly

15.3063, 16.2287, 6.8832

Deuteranomaly

16.3582, 16.2963, 6.6982

Tritanomaly

17.1807, 16.1277, 12.5634

Monochromacy



Original Color

15.9838, 16.2607, 6.7111

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.1595, 15.8641, 12.6190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9838, 16.2607, 6.7111 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(133, 109, 61)` looks like.

```
.text, #text, p{  
    color:rgb(133, 109, 61)  
}
```

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(133, 109, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 109, 61) }
```

Border

The CSS property to change the border of an element to XYZ 15.9838, 16.2607, 6.7111 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(133, 109, 61) }
```


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

```
.border{ border-color:rgb(133, 109, 61) }
```

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

Here you see how a box with a 4 pixel rgb(133, 109, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 109, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 109, 61);  
box-shadow:4px 4px 4px 4px rgb(133, 109,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9838, 16.2607, 6.7111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 109, 61) }
```

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

```
.background{ background-color: rgb(133,  
109, 61) }
```

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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