

Converting Colors

XYZ(15.8141, 16.5848, 2.9936)

Have a look what the booklet for
XYZ(15.8141, 16.5848, 2.9936)
contains.

XYZ(15.7937, 16.5668, 2.9814)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.7937, 16.5668,
2.9814)**

Conversions

Conversions Part 1

Format	Color
Hex	876F13
RGB	135, 111, 19
RGB Percent	53%, 44%, 7%
CMY	0.4706, 0.5647, 0.9255
CMYK	0.00, 0.18, 0.86, 0.47
HSL	48°, 75%, 30%
HSV	48°, 86%, 53%
XYZ	15.7937, 16.5668, 2.9814
YIQ	107.6880, 43.8360, -23.5240

Conversions

Conversions Part 2

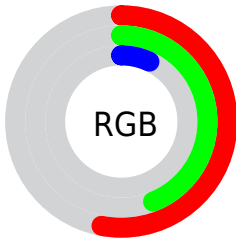
Format	Color
R_{YB}	49, 135, 19
Decimal	8875795
CIE _{Lab}	47.71, 0.28, 49.56
CIE _{LCh}	48, 49.563, 89.681
Yxy	16.5668, 0.4469, 0.4688
Android (android.graphics.Color)	4287065875 (0xFF876F13)
YUV	107.6880, -43.7232, 23.9526
Hunter-Lab	40.7023, -1.9658, 24.1487

Details

The XYZ color **15.7937, 16.5668, 2.9814** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.5057, 3.6156, 23.3293**, and the grayscale version is **14.2769, 15.0204, 16.3572**.

A 20% lighter version of the original color is **35.8283, 37.5150, 11.4837**, and **5.2267, 5.4161, 0.7699** is the 20% darker color. If you saturate the color by 10%, you get **15.4066, 15.9326, 2.4214**, and if you desaturate by 10%, it is **16.2537, 17.2467, 3.8750**.

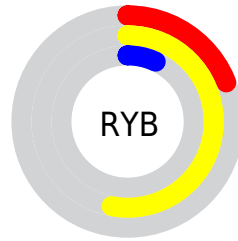
Distribution



Red (53%)

Green (44%)

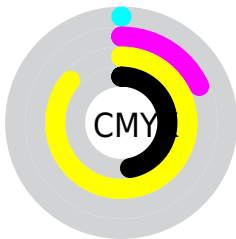
Blue (7%)



Red (19%)

Yellow (53%)

Blue (7%)

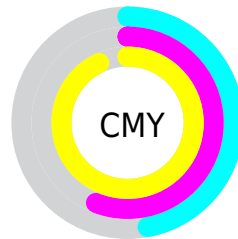


Cyan (0%)

Magenta (18%)

Yellow (86%)

Black (47%)



Cyan (47%)

Magenta (56%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7937, 16.5668, 2.9814 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 15.7937, 16.5668, 2.9814 by changing the saturation by 10% instead.

■ 15.7937, 16.5668,
2.9814

■ 15.7937, 16.5668,
2.9814

221.4157,
232.6635, 136.1234

■ 9.4682, 9.9261,
1.0851

■ 35.8000, 37.5794,
11.5825

■ 5.1074, 5.3500,
0.0000

■ 50.2116, 52.7202,
19.1244

■ 2.3458, 2.4540,
0.0000

■ 68.0492, 71.4631,
29.3853

■ 0.8179, 0.8535,
0.0000


■ 89.6782, 94.1925,
42.7838


■ 0.0000, 0.0000,
0.0000


■ 115.4640,
121.2928, 59.7382


■ 145.7720,


153.1485, 80.6673


 180.9674,
190.1439, 105.9895


 15.7937, 16.5668,
2.9814


 15.7937, 16.5668,
2.9814


 15.4066, 15.9326,
2.4214

 16.2537, 17.2467,
3.8750

 15.2569, 15.6813,
2.2227

 16.7984, 17.9752,
5.1694

 17.4366, 18.7567,
6.9080

 18.1754, 19.5940,
9.1282

 19.0213, 20.4899,
11.8635

■ 19.9801, 21.4469,
15.1443

■ 21.0572, 22.4673,
18.9989

■ 22.2577, 23.5532,
23.4533

■ 23.5862, 24.7066,
28.5321

Harmonies

Analogous

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



20.4543, 16.5668, 4.1044



15.7937, 16.5668, 2.9814



11.8905, 16.5668, 4.0540

Triad

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



15.7937, 16.5668, 2.9814



9.4398, 16.5668, 33.0322



24.3123, 16.5668, 33.3855

Complementary

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



15.7937, 16.5668, 2.9814



5.5057, 3.6156, 23.3293

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.



20.3567, 16.5668, 48.6551



15.7937, 16.5668, 2.9814



11.8225, 16.5668, 48.3925

Square

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



15.7937, 16.5668, 2.9814



8.6666, 16.5668, 17.9030



15.6989, 16.5668, 55.1300



25.9034, 16.5668, 18.1745

Rectangle

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



15.7937, 16.5668, 2.9814



10.0991, 16.5668, 6.4030



15.6989, 16.5668, 55.1300



23.1825, 16.5668, 38.8991

Sweetspot

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



15.7941, 16.5676, 2.9817



35.6609, 38.2910, 26.7020



10.6818, 5.7997, 2.9528



8.1356, 8.7468, 5.7571



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.7941, 16.5676, 2.9817



27.2058, 27.8495, 3.9416



14.2763, 20.2076, 3.7643



4.9601, 5.2638, 4.9840



14.0784, 14.4794, 2.0528



0.0539, 0.0604, 0.0088

Inverse Universe

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



5.5057, 3.6156, 23.3293



8.4745, 4.4187, 41.4546



6.0156, 2.9418, 23.1724



4.5068, 4.6892, 5.8683



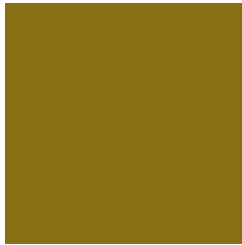
4.4223, 2.3925, 21.3654



0.0197, 0.0170, 0.0755

Previews

White Background



This preview shows how the XYZ color 15.7937, 16.5668, 2.9814 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 15.7937, 16.5668, 2.9814 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 15.7937, 16.5668, 2.9814

Background



This preview shows how black text looks on a background with the XYZ color 15.7937, 16.5668, 2.9814.



This preview shows how white text looks on a background with the XYZ color 15.7937, 16.5668,

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

15.7937, 16.5668, 2.9814

Protanopia

15.0457, 16.6743, 3.0873

Deuteranopia

16.8256, 16.6189, 3.0304



Tritanopia

18.7040, 16.5109, 17.2400

Trichromacy



Original Color

15.7937, 16.5668, 2.9814

Protanomaly

15.3915, 16.6861, 3.0713

Deuteranomaly

16.4101, 16.5632, 2.9939

Tritanomaly

17.1766, 16.3471, 9.4577

Monochromacy



Original Color

15.7937, 16.5668, 2.9814

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.2444, 15.3106, 9.0420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7937, 16.5668, 2.9814 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(135, 111, 19)` looks like.

```
.text, #text, p{  
    color:rgb(135, 111, 19)  
}
```

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(135, 111, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 111, 19) }
```

Border

The CSS property to change the border of an element to XYZ 15.7937, 16.5668, 2.9814 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(135, 111, 19) }
```


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

```
.border{ border-color:rgb(135, 111, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 111, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 111, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 111, 19);  
box-shadow:4px 4px 4px 4px rgb(135, 111,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7937, 16.5668, 2.9814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 111, 19) }
```

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

```
.background{ background-color: rgb(135,  
111, 19) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor