

Converting Colors

XYZ(14.7663, 15.0363, 2.7998)

Have a look what the booklet for
XYZ(14.7663, 15.0363, 2.7998)
contains.

XYZ(14.8507, 15.1402, 2.8015)	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(14.8507, 15.1402,
2.8015)**

Conversions

Conversions Part 1

Format	Color
Hex	856914
RGB	133, 105, 20
RGB Percent	52%, 41%, 8%
CMY	0.4784, 0.5882, 0.9216
CMYK	0.00, 0.21, 0.85, 0.48
HSL	45°, 74%, 30%
HSV	45°, 85%, 52%
XYZ	14.8507, 15.1402, 2.8015
YIQ	103.6820, 43.9730, -20.4990

Conversions

Conversions Part 2

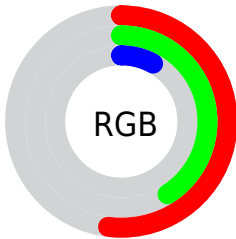
Format	Color
R_{YB}	57, 133, 20
Decimal	8743188
CIE Lab	45.83, 2.81, 47.55
CIE LCh	46, 47.635, 86.616
Yxy	15.1402, 0.4529, 0.4617
Android (android.graphics.Color)	4286933268 (0xFF856914)
YUV	103.6820, -41.2552, 25.7119
Hunter-Lab	38.9104, 0.0338, 22.9685

Details

The XYZ color **14.8507, 15.1402, 2.8015** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.5791, 3.9561, 22.6596**, and the grayscale version is **13.1720, 13.8580, 15.0913**.

A 20% lighter version of the original color is **34.2934, 35.1920, 11.1162**, and **4.7375, 4.6884, 0.6553** is the 20% darker color. If you saturate the color by 10%, you get **14.4323, 14.4468, 2.2204**, and if you desaturate by 10%, it is **15.3457, 15.8863, 3.7189**.

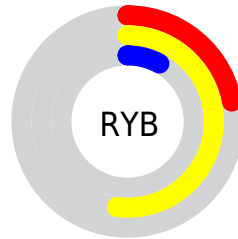
Distribution



Red (52%)

Green (41%)

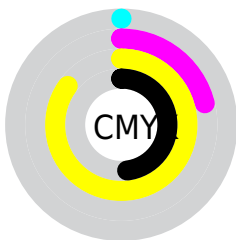
Blue (8%)



Red (22%)

Yellow (52%)

Blue (8%)

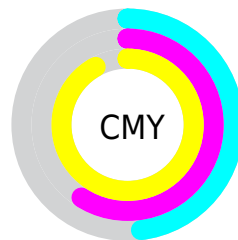


Cyan (0%)

Magenta (21%)

Yellow (85%)

Black (48%)



Cyan (48%)

Magenta (59%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8507, 15.1402, 2.8015 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 14.8507, 15.1402, 2.8015 by changing the saturation by 10% instead.

■ 14.8507, 15.1402,
2.8015

■ 14.8507, 15.1402,
2.8015

215.8671,
224.2133, 133.7909

■ 8.8003, 8.9178,
0.9942

■ 34.1649, 35.0989,
11.1346

■ 4.6672, 4.6876,
0.0000

■ 48.1593, 49.6041,
18.4974

■ 2.0861, 2.0652,
0.0000

■ 65.5325, 67.6390,
28.5492

■ 0.6816, 0.6449,
0.0000


■ 86.6499, 89.5880,
41.7084


■ 0.0000, 0.0000,
0.0000


■ 111.8766,
115.8356, 58.3937


■ 141.5782,


146.7660, 79.0235


 176.1199,
182.7638, 104.0164


 14.8507, 15.1402,
2.8015


 14.8507, 15.1402,
2.8015


 14.4323, 14.4468,
2.2204

 15.3457, 15.8863,
3.7189

 14.2345, 14.1099,
1.9733

 15.9274, 16.6875,
5.0292

 16.6040, 17.5480,
6.7737

 17.3824, 18.4706,
8.9880

 18.2687, 19.4582,
11.7040

■ 19.2687, 20.5131,
14.9508

■ 20.3876, 21.6378,
18.7555

■ 21.6303, 22.8342,
23.1431

■ 23.0013, 24.1046,
28.1371

Harmonies

Analogous

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



19.0679, 15.1402, 4.0607



14.8507, 15.1402, 2.8015



11.2026, 15.1402, 3.5693

Triad

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



14.8507, 15.1402, 2.8015



8.5350, 15.1402, 28.5006



21.8434, 15.1402, 31.8814

Complementary

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



14.8507, 15.1402, 2.8015



5.5791, 3.9561, 22.6596

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.



18.1317, 15.1402, 45.1889



14.8507, 15.1402, 2.8015



10.5480, 15.1402, 42.6813

Square

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



14.8507, 15.1402, 2.8015



7.9797, 15.1402, 15.2145



13.9395, 15.1402, 49.8523



23.5500, 15.1402, 17.8245

Rectangle

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



14.8507, 15.1402, 2.8015



9.4790, 15.1402, 5.4875



13.9395, 15.1402, 49.8523



20.7587, 15.1402, 36.8023

Sweetspot

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



14.8510, 15.1409, 2.8018



34.3916, 36.6166, 26.3918



10.4618, 5.7025, 3.3731



7.6239, 8.1203, 5.5368



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.



14.8510, 15.1409, 2.8018



25.3632, 25.0120, 3.4910



14.3102, 19.8136, 3.7322



4.9446, 5.2328, 4.9788



13.5653, 13.4531, 1.8817



0.0527, 0.0581, 0.0084

Inverse Universe

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



5.5791, 3.9561, 22.6596



8.4441, 4.7576, 40.2117



5.7147, 2.8285, 22.4348



4.5213, 4.7183, 5.8732



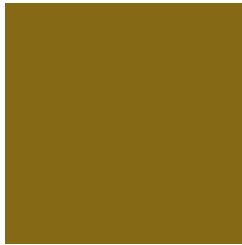
4.5551, 2.6580, 21.4097



0.0208, 0.0193, 0.0759

Previews

White Background



This preview shows how the XYZ color 14.8507, 15.1402, 2.8015 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 14.8507, 15.1402, 2.8015 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 14.8507, 15.1402, 2.8015

Background



This preview shows how black text looks on a background with the XYZ color 14.8507, 15.1402, 2.8015.



This preview shows how white text looks on a background with the XYZ color 14.8507, 15.1402,

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

14.8507, 15.1402, 2.8015

Protanopia

13.6300, 15.1290, 2.9113

Deuteranopia

15.3021, 15.0730, 2.8123



Tritanopia

17.3987, 15.1586, 15.3735

Trichromacy



Original Color

14.8507, 15.1402, 2.8015

Protanomaly

14.1021, 15.2149, 2.9030

Deuteranomaly

15.2390, 15.1890, 2.8381

Tritanomaly

16.0431, 15.0360, 8.5352

Monochromacy



Original Color

14.8507, 15.1402, 2.8015

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.2231, 14.0265, 8.3138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8507, 15.1402, 2.8015 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, 105, 20)` looks like.

```
.text, #text, p{  
    color:rgb(133, 105, 20)  
}
```

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, 105, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 105, 20) }
```

Border

The CSS property to change the border of an element to XYZ 14.8507, 15.1402, 2.8015 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, 105, 20) }
```


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

```
.border{ border-color:rgb(133, 105, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 105, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 105, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 105, 20);  
box-shadow:4px 4px 4px 4px rgb(133, 105,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8507, 15.1402, 2.8015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 105, 20) }
```

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

```
.background{ background-color: rgb(133,  
105, 20) }
```

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