

Converting Colors

XYZ(15.8791, 15.1693, 2.5109)

Have a look what the booklet for
XYZ(15.8791, 15.1693, 2.5109)
contains.

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Color

**XYZ(15.9860, 15.2852,
2.5233)**

Conversions

Conversions Part 1

Format	Color
Hex	8E660E
RGB	142, 102, 14
RGB Percent	56%, 40%, 5%
CMY	0.4431, 0.6000, 0.9451
CMYK	0.00, 0.28, 0.90, 0.44
HSL	41°, 82%, 31%
HSV	41°, 90%, 56%
XYZ	15.9860, 15.2852, 2.5233
YIQ	103.9280, 52.0880, -18.8880

Conversions

Conversions Part 2

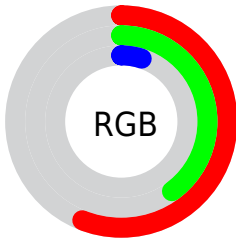
Format	Color
R_{YB}	72, 142, 14
Decimal	9332238
CIE Lab	46.02, 8.66, 49.91
CIE LCh	46, 50.660, 80.159
Yxy	15.2852, 0.4730, 0.4523
Android (android.graphics.Color)	4287522318 (0xFF8E660E)
YUV	103.9280, -44.3345, 33.3891
Hunter-Lab	39.0963, 4.5680, 23.5408

Details

The XYZ color **15.9860, 15.2852, 2.5233** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.3829, 4.6849, 26.1590**, and the grayscale version is **13.2445, 13.9342, 15.1743**.

A 20% lighter version of the original color is **36.2540, 35.4792, 10.4062**, and **5.2967, 4.7586, 0.6393** is the 20% darker color. If you saturate the color by 10%, you get **15.4882, 14.4165, 1.9663**, and if you desaturate by 10%, it is **16.5670, 16.2348, 3.3720**.

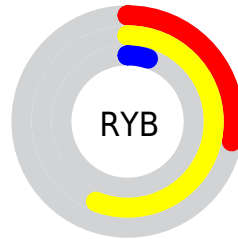
Distribution



Red (56%)

Green (40%)

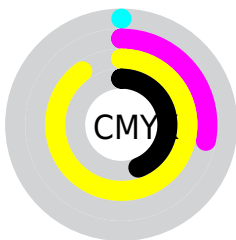
Blue (5%)



Red (28%)

Yellow (56%)

Blue (5%)

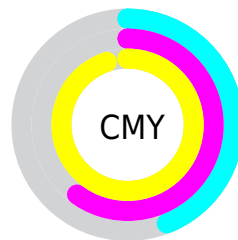


Cyan (0%)

Magenta (28%)

Yellow (90%)

Black (44%)



Cyan (44%)

Magenta (60%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9860, 15.2852, 2.5233 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 15.9860, 15.2852, 2.5233 by changing the saturation by 10% instead.

■ 15.9860, 15.2852,
2.5233

■ 15.9860, 15.2852,
2.5233

222.5311,
225.0860, 130.0362

■ 9.6050, 9.0198,
0.8525

■ 36.1315, 35.3527,
10.4276

■ 5.1981, 4.7541,
0.0000

■ 50.6268, 49.9236,
17.5024

■ 2.3999, 2.1037,
0.0000

■ 68.5576, 68.0318,
27.2170

■ 0.8451, 0.6667,
0.0000

■ 90.2892, 90.0617,
39.9899

■ 0.0000, 0.0000,
0.0000

■ 116.1870,
116.3977, 56.2398

■ 146.6163,

147.4241, 76.3851

181.9426,
183.5255, 100.8444

15.9860, 15.2852,
2.5233

15.9860, 15.2852,
2.5233

15.4882, 14.4165,
1.9663

16.5670, 16.2348,
3.3720

17.2517, 17.2632,
4.6516

18.0508, 18.3758,
6.4151

18.9732, 19.5768,
8.7073

20.0267, 20.8697,
11.5683

■ 21.2185, 22.2581,
15.0339

■ 22.5552, 23.7449,
19.1373

■ 24.0429, 25.3333,
23.9089

■ 25.6872, 27.0258,
29.3774

Harmonies

Analogous

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



20.4878, 15.2852, 4.2866



15.9860, 15.2852, 2.5233



11.8637, 15.2852, 2.8494

Triad

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



15.9860, 15.2852, 2.5233



8.0724, 15.2852, 26.1977



21.8371, 15.2852, 36.8617

Complementary

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



15.9860, 15.2852, 2.5233



6.3829, 4.6849, 26.1590

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.



17.5643, 15.2852, 50.1863



15.9860, 15.2852, 2.5233



9.8532, 15.2852, 42.2120

Square

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



15.9860, 15.2852, 2.5233



7.8153, 15.2852, 12.9186



13.1617, 15.2852, 52.5194



24.2796, 15.2852, 21.0221

Rectangle

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



15.9860, 15.2852, 2.5233



9.8262, 15.2852, 4.3208



13.1617, 15.2852, 52.5194



20.5319, 15.2852, 42.0556

Sweetspot

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



15.9863, 15.2860, 2.5236



37.9994, 39.9088, 28.2649



11.9910, 6.3364, 4.1476



8.3392, 8.7461, 5.8673



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.



15.9863, 15.2860, 2.5236



27.1615, 25.1211, 3.4173



17.2963, 23.2667, 3.9950



5.6993, 6.0049, 5.7481



13.9230, 12.9776, 1.7711



0.1528, 0.1635, 0.0235

Inverse Universe

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



6.3829, 4.6849, 26.1590



10.0914, 6.4071, 45.8327



5.8196, 2.6693, 25.7996



5.2586, 5.5129, 6.8157



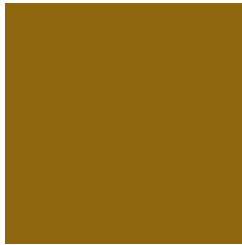
5.2200, 3.4260, 23.3632



0.0679, 0.0687, 0.2294

Previews

White Background



This preview shows how the XYZ color 15.9860, 15.2852, 2.5233 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 15.9860, 15.2852, 2.5233 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 15.9860, 15.2852, 2.5233

Background



This preview shows how black text looks on a background with the XYZ color 15.9860, 15.2852, 2.5233.



This preview shows how white text looks on a background with the XYZ color 15.9860, 15.2852,

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

15.9860, 15.2852, 2.5233

Protanopia

13.8378, 15.4002, 2.7334

Deuteranopia

15.4979, 15.3304, 2.4901



Tritanopia

18.5231, 15.3468, 14.5563

Trichromacy



Original Color

15.9860, 15.2852, 2.5233

Protanomaly

14.5498, 15.2957, 2.6374

Deuteranomaly

15.5704, 15.2185, 2.4976

Tritanomaly

17.1502, 15.1973, 7.8238

Monochromacy



Original Color

15.9860, 15.2852, 2.5233

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.4588, 14.0070, 7.9555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9860, 15.2852, 2.5233 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, 102, 14)` looks like.

```
.text, #text, p{  
    color:rgb(142, 102, 14)  
}
```

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, 102, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 102, 14) }
```

Border

The CSS property to change the border of an element to XYZ 15.9860, 15.2852, 2.5233 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, 102, 14) }
```


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

```
.border{ border-color:rgb(142, 102, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 102, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 102, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 102, 14);  
box-shadow:4px 4px 4px 4px rgb(142, 102,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9860, 15.2852, 2.5233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 102, 14) }
```

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

```
.background{ background-color: rgb(142,  
102, 14) }
```

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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