

Converting Colors

XYZ(15.8310, 13.0365, 5.8040)

Have a look what the booklet for
XYZ(15.8310, 13.0365, 5.8040)
contains.

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Color

**XYZ(15.7943, 12.9911,
5.8128)**

Conversions

Conversions Part 1

Format	Color
Hex	91563B
RGB	145, 86, 59
RGB Percent	57%, 34%, 23%
CMY	0.4314, 0.6627, 0.7686
CMYK	0.00, 0.41, 0.59, 0.43
HSL	19°, 42%, 40%
HSV	19°, 59%, 57%
XYZ	15.7943, 12.9911, 5.8128
YIQ	100.5630, 43.8310, 4.1110

Conversions

Conversions Part 2

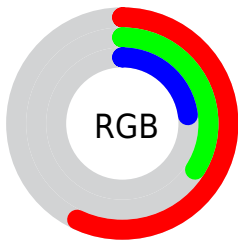
Format	Color
R _Y B	145, 98, 59
Decimal	9524795
CIE Lab	42.75, 21.66, 25.99
CIE LCh	43, 33.827, 50.191
Yxy	12.9911, 0.4565, 0.3755
Android (android.graphics.Color)	4287714875 (0xFF91563B)
YUV	100.5630, -20.4906, 38.9712
Hunter-Lab	36.0432, 15.1441, 15.6683

Details

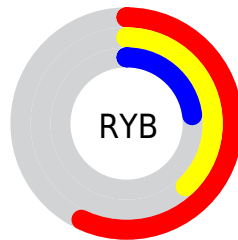
The XYZ color **15.7943, 12.9911, 5.8128** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.3926, 15.9303, 29.1570**, and the grayscale version is **12.3006, 12.9412, 14.0929**.

A 20% lighter version of the original color is **35.8151, 31.2264, 18.0496**, and **5.1667, 3.7791, 0.9473** is the 20% darker color. If you saturate the color by 10%, you get **14.7295, 11.3821, 3.8532**, and if you desaturate by 10%, it is **17.0748, 14.8643, 8.3600**.

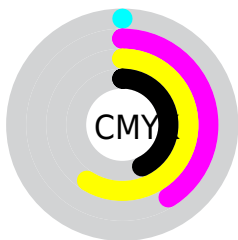
Distribution



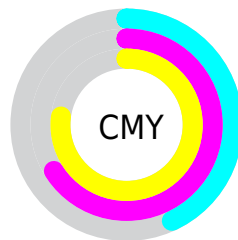
- Red (57%)
- Green (34%)
- Blue (23%)



- Red (57%)
- Yellow (38%)
- Blue (23%)



- Cyan (0%)
- Magenta (41%)
- Yellow (59%)
- Black (43%)





- Cyan (43%)
- Magenta (66%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7943, 12.9911, 5.8128 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 15.7943, 12.9911, 5.8128 by changing the saturation by 10% instead.


 15.7943, 12.9911,
5.8128


 15.7943, 12.9911,
5.8128


221.4192,
210.8606, 166.6363


 9.4686, 7.4224,
2.6646


 35.8011, 31.2878,
18.0120


 5.1076, 3.7277,
0.9256

 50.2129, 44.7846,
27.9001


 2.3460, 1.5224,
0.0000

 68.0508, 61.6929,
40.8720

 0.8180, 0.3044,
0.0000

 89.6801, 82.3971,
57.3461

 0.0000, 0.0000,
0.0000

 115.4663,
107.2816, 77.7411

 145.7746,

136.7307, 102.4754

180.9705,
171.1289, 131.9676

■ 15.7943, 12.9911,
5.8128

■ 15.7943, 12.9911,
5.8128

■ 14.7295, 11.3821,
3.8532

■ 17.0748, 14.8643,
8.3600

■ 13.8660, 10.0228,
2.4322

■ 18.5821, 17.0115,
11.5370

■ 13.1890, 8.8998,
1.4936

■ 20.3278, 19.4442,
15.3828

■ 12.6680, 7.9928,
0.9038

■ 22.3224, 22.1728,
19.9333

■ 12.6357, 7.9371,
0.8660

■ 24.5754, 25.2071,
25.2215

■ 27.0961, 28.5564,
31.2785

■ 29.8933, 32.2296,
38.1335

■ 32.9752, 36.2353,
45.8142

■ 36.3498, 40.5816,
54.3470

Harmonies

Analogous

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



17.5984, 12.9911, 9.7960



15.7943, 12.9911, 5.8128



13.2100, 12.9911, 4.2721

Triad

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



15.7943, 12.9911, 5.8128



8.0854, 12.9911, 11.8656



14.1355, 12.9911, 32.0498

Complementary

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



15.7943, 12.9911, 5.8128



13.3926, 15.9303, 29.1570

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.



11.5237, 12.9911, 33.2085



15.7943, 12.9911, 5.8128



8.2614, 12.9911, 19.6218

Square

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



15.7943, 12.9911, 5.8128



8.9232, 12.9911, 6.8738



9.4429, 12.9911, 28.0628



16.5522, 12.9911, 25.2961

Rectangle

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



15.7943, 12.9911, 5.8128



11.4927, 12.9911, 4.2795



9.4429, 12.9911, 28.0628



13.2440, 12.9911, 33.1795

Sweetspot

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



15.7946, 12.9918, 5.8130



40.3332, 40.1926, 36.5255



16.5829, 10.4845, 18.6656



8.7512, 8.6407, 7.6135



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.7946, 12.9918, 5.8130



25.8503, 19.5645, 5.9936



20.1596, 21.7218, 7.2680



5.5385, 5.6832, 5.6944



10.8593, 6.8504, 0.7499



0.1218, 0.1015, 0.0132

Inverse Universe

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



13.3926, 15.9303, 29.1570



21.0898, 25.2188, 51.7297



9.5128, 8.1708, 27.8638



5.4194, 5.8345, 6.8693



8.2730, 9.5321, 24.3809



0.0989, 0.1307, 0.2397

Previews

White Background



This preview shows how the XYZ color 15.7943, 12.9911, 5.8128 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



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 15.7943, 12.9911, 5.8128

Background



This preview shows how black text looks on a background with the XYZ color 15.7943, 12.9911, 5.8128.



This preview shows how white text looks on a background with the XYZ color 15.7943, 12.9911,

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

15.7943, 12.9911, 5.8128

Protanopia

12.0382, 13.0040, 6.8766

Deuteranopia

13.3254, 13.1299, 5.7029



Tritanopia

16.8114, 12.9422, 10.8446

Trichromacy



Original Color

15.7943, 12.9911, 5.8128

Protanomaly

13.2485, 12.9356, 6.5012

Deuteranomaly

14.1938, 13.0397, 5.7718

Tritanomaly

16.2869, 12.8333, 8.6398

Monochromacy



Original Color

15.7943, 12.9911, 5.8128

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.1987, 12.8195, 10.5829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7943, 12.9911, 5.8128 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(145, 86, 59)` looks like.

```
.text, #text, p{  
    color:rgb(145, 86, 59)  
}
```

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(145, 86, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 86, 59) }
```

Border

The CSS property to change the border of an element to XYZ 15.7943, 12.9911, 5.8128 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(145, 86, 59) }
```


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

```
.border{ border-color:rgb(145, 86, 59) }
```

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

Here you see how a box with a 4 pixel rgb(145, 86, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 86, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 86, 59);  
box-shadow:4px 4px 4px 4px rgb(145, 86,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7943, 12.9911, 5.8128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 86, 59) }
```

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

```
.background{ background-color: rgb(145, 86,  
59) }
```

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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