

Converting Colors

XYZ(15.2603, 12.8261, 10.4097)

Have a look what the booklet for
XYZ(15.2603, 12.8261, 10.4097)
contains.

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Color

**XYZ(15.3228, 12.8856,
10.4837)**

Conversions

Conversions Part 1

Format	Color
Hex	885856
RGB	136, 88, 86
RGB Percent	53%, 35%, 34%
CMY	0.4667, 0.6549, 0.6627
CMYK	0.00, 0.35, 0.37, 0.47
HSL	2°, 23%, 44%
HSV	2°, 37%, 53%
XYZ	15.3228, 12.8856, 10.4837
YIQ	102.1240, 29.2500, 9.5540

Conversions

Conversions Part 2

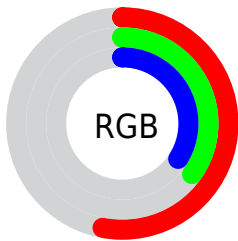
Format	Color
RYB	136, 88, 86
Decimal	8935510
CIELab	42.59, 19.58, 9.35
CIELCh	43, 21.699, 25.526
Yxy	12.8856, 0.3960, 0.3330
Android (android.graphics.Color)	4287125590 (0xFF885856)
YUV	102.1240, -7.9491, 29.7093
Hunter-Lab	35.8965, 13.3757, 7.8117

Details

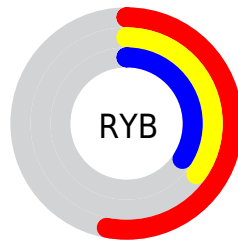
The XYZ color **15.3228, 12.8856, 10.4837** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.8065, 20.8054, 26.4226**, and the grayscale version is **12.6768, 13.3370, 14.5240**.

A 20% lighter version of the original color is **35.0183, 31.0309, 27.4365**, and **4.8844, 3.7008, 2.5547** is the 20% darker color. If you saturate the color by 10%, you get **13.8488, 10.7326, 7.5414**, and if you desaturate by 10%, it is **17.0937, 15.4655, 14.0397**.

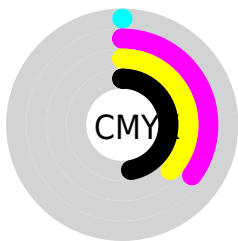
Distribution



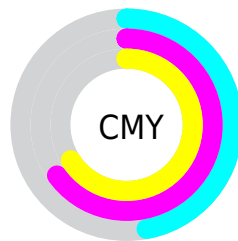
- Red (53%)
- Green (35%)
- Blue (34%)



- Red (53%)
- Yellow (35%)
- Blue (34%)



- Cyan (0%)
- Magenta (35%)
- Yellow (37%)
- Black (47%)





- Cyan (47%)
- Magenta (65%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3228, 12.8856, 10.4837 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 15.3228, 12.8856, 10.4837 by changing the saturation by 10% instead.


 15.3228, 12.8856,
10.4837


 15.3228, 12.8856,
10.4837


218.6617,
210.1832, 204.6990

 9.1340, 7.3498,
5.6111


 34.9855, 31.0981,
27.3233

 4.8865, 3.6818,
2.5451

 49.1902, 44.5436,
40.1274


 2.2149, 1.4972,
0.8639

 66.7975, 61.3945,
56.4123

 0.7506, 0.2868,
0.0000

 88.1728, 82.0351,
76.5966

 0.0000, 0.0000,
0.0000

 113.6816,
106.8499, 101.0989

143.6891,

136.2233, 130.3377

178.5606,
170.5396, 164.7315

■ 15.3228, 12.8856,
10.4837

■ 15.3228, 12.8856,
10.4837

■ 13.8488, 10.7326,
7.5414

■ 17.0937, 15.4655,
14.0397

■ 12.6544, 8.9816,
5.1773

■ 19.1755, 18.4914,
18.2407

■ 11.7224, 7.6084,
3.3537

■ 21.5824, 21.9839,
23.1165


■ 11.0330, 6.5850,
2.0278


■ 24.3275, 25.9614,
28.6951


■ 10.5636, 5.8800,
1.1505


■ 27.4232, 30.4415,
35.0027


 10.2824, 5.4539,
0.6371

 30.8813, 35.4409,
42.0643

 10.2125, 5.3525,
0.4949

 34.7129, 40.9755,
49.9037

 38.9287, 47.0605,
58.5436

 43.5392, 53.7105,
68.0059

Harmonies

Analogous

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



15.6720, 12.8856, 14.7475



15.3228, 12.8856, 10.4837



14.1227, 12.8856, 7.8187

Triad

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



15.3228, 12.8856, 10.4837



9.8248, 12.8856, 9.5095



12.0027, 12.8856, 25.1121

Complementary

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



15.3228, 12.8856, 10.4837



16.8065, 20.8054, 26.4226

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.



10.5459, 12.8856, 22.8815



15.3228, 12.8856, 10.4837



9.3619, 12.8856, 13.3366

Square

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



15.3228, 12.8856, 10.4837



10.9367, 12.8856, 7.3507



9.6137, 12.8856, 18.2980



13.6587, 12.8856, 23.8727

Rectangle

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



15.3228, 12.8856, 10.4837



13.0535, 12.8856, 6.9704



9.6137, 12.8856, 18.2980



11.4751, 12.8856, 24.7316

Sweetspot

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



15.3231, 12.8862, 10.4840



36.0643, 35.8844, 36.7431



17.8076, 13.6205, 24.3668



8.2388, 8.1460, 8.2797



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.



15.3231, 12.8862, 10.4840



24.8384, 19.5470, 14.1512



17.7012, 17.6422, 11.2766



5.0479, 5.0786, 5.2666



9.6675, 5.0694, 0.4690



0.0661, 0.0373, 0.0037

Inverse Universe

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



16.8065, 20.8054, 26.4226



27.8407, 35.5881, 46.4502



13.7861, 14.7647, 25.4158



5.1560, 5.6549, 6.4256



11.8327, 16.9357, 24.6909



0.0811, 0.1175, 0.1648

Previews

White Background



This preview shows how the XYZ color 15.3228, 12.8856, 10.4837 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 15.3228, 12.8856, 10.4837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

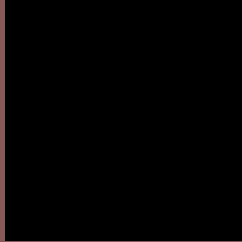
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.3228, 12.8856, 10.4837

Background



This preview shows how black text looks on a background with the XYZ color 15.3228, 12.8856, 10.4837.



This preview shows how white text looks on a background with the XYZ color 15.3228, 12.8856,

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

15.3228, 12.8856, 10.4837

Protanopia

12.4111, 13.0833, 11.9964

Deuteranopia

13.0774, 12.9025, 10.1887



Tritanopia

15.7005, 12.9251, 12.0232

Trichromacy



Original Color

15.3228, 12.8856, 10.4837

Protanomaly

13.2308, 12.8169, 11.4494

Deuteranomaly

13.8108, 12.8722, 10.3510

Tritanomaly

15.5702, 12.8729, 11.3369

Monochromacy



Original Color

15.3228, 12.8856, 10.4837

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.3254, 12.9713, 12.8677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3228, 12.8856, 10.4837 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(136, 88, 86)` looks like.

```
.text, #text, p{  
    color:rgb(136, 88, 86)  
}
```

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(136, 88, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 88, 86) }
```

Border

The CSS property to change the border of an element to XYZ 15.3228, 12.8856, 10.4837 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(136, 88, 86) }
```


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

```
.border{ border-color:rgb(136, 88, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 88, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 88, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 88, 86);  
box-shadow:4px 4px 4px 4px rgb(136, 88,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3228, 12.8856, 10.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 88, 86) }
```

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

```
.background{ background-color: rgb(136, 88,  
86) }
```

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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