

Converting Colors

XYZ(16.3856, 15.8369, 5.8839)

Have a look what the booklet for
XYZ(16.3856, 15.8369, 5.8839)
contains.

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Color

**XYZ(16.4128, 15.8776,
5.9410)**

Conversions

Conversions Part 1

Format	Color
Hex	8B6938
RGB	139, 105, 56
RGB Percent	55%, 41%, 22%
CMY	0.4549, 0.5882, 0.7804
CMYK	0.00, 0.24, 0.60, 0.45
HSL	35°, 43%, 38%
HSV	35°, 60%, 55%
XYZ	16.4128, 15.8776, 5.9410
YIQ	109.5800, 35.9930, -8.0310

Conversions

Conversions Part 2

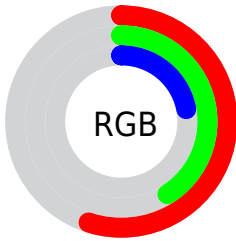
Format	Color
R_{YB}	114, 139, 56
Decimal	9136440
CIE Lab	46.81, 7.68, 32.44
CIE LCh	47, 33.339, 76.676
Yxy	15.8776, 0.4293, 0.4153
Android (android.graphics.Color)	4287326520 (0xFF8B6938)
YUV	109.5800, -26.4149, 25.8013
Hunter-Lab	39.8467, 3.7922, 19.0528

Details

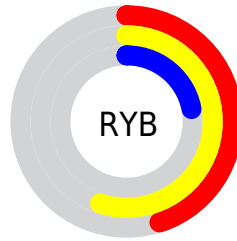
The XYZ color **16.4128, 15.8776, 5.9410** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.9470, 10.0167, 25.8351**, and the grayscale version is **14.7670, 15.5360, 16.9187**.

A 20% lighter version of the original color is **36.8928, 36.3785, 18.1740**, and **5.4056, 5.0265, 0.9725** is the 20% darker color. If you saturate the color by 10%, you get **15.5584, 14.6394, 4.2057**, and if you desaturate by 10%, it is **17.4012, 17.2328, 8.1871**.

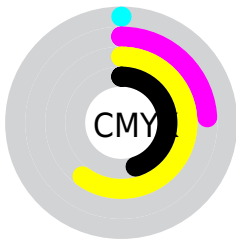
Distribution



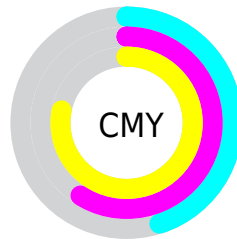
- Red (55%)
- Green (41%)
- Blue (22%)



- Red (45%)
- Yellow (55%)
- Blue (22%)



- Cyan (0%)
- Magenta (24%)
- Yellow (60%)
- Black (45%)



- Cyan (45%)
- Magenta (59%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4128, 15.8776, 5.9410 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 16.4128, 15.8776, 5.9410 by changing the saturation by 10% instead.

■ 16.4128, 15.8776,
5.9410

■ 16.4128, 15.8776,
5.9410

224.9882,
228.6184, 167.8312

■ 9.9094, 9.4376,
2.7410

■ 36.8651, 36.3856,
18.2839

■ 5.4008, 5.0277,
0.9640

■ 51.5447, 51.2223,
28.2638

■ 2.5214, 2.2635,
0.0000

■ 69.6804, 69.6268,
41.3409

■ 0.9061, 0.7543,
0.0000

■ 91.6376, 91.9833,
57.9335

■ 0.0000, 0.0000,
0.0000

■ 117.7816,
118.6764, 78.4604

■ 148.4778,

150.0903, 103.3399

184.0916,
186.6095, 132.9907

■ 16.4128, 15.8776,
5.9410

■ 16.4128, 15.8776,
5.9410

■ 15.5584, 14.6394,
4.2057

■ 17.4012, 17.2328,
8.1871

■ 14.8281, 13.5112,
2.9377

■ 18.5303, 18.7069,
10.9809

■ 14.2122, 12.4884,
2.0877

■ 19.8077, 20.3048,
14.3567

■ 13.6843, 11.5592,
1.5214

■ 21.2400, 22.0302,
18.3458

■ 13.6696, 11.5334,
1.5057

■ 22.8333, 23.8866,
22.9774

■ 24.5933, 25.8775,
28.2787

■ 26.5257, 28.0060,
34.2751

■ 28.6355, 30.2753,
40.9911

■ 30.9277, 32.6882,
48.4497

Harmonies

Analogous

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



19.2486, 15.8776, 8.0800



16.4128, 15.8776, 5.9410



13.5473, 15.8776, 6.0604

Triad

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



16.4128, 15.8776, 5.9410



10.3559, 15.8776, 22.2862



19.5210, 15.8776, 30.7196

Complementary

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



16.4128, 15.8776, 5.9410



9.9470, 10.0167, 25.8351

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.



16.7481, 15.8776, 37.5364



16.4128, 15.8776, 5.9410



11.5802, 15.8776, 31.6985

Square

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



16.4128, 15.8776, 5.9410



10.2904, 15.8776, 13.8633



13.8425, 15.8776, 37.9431



21.1920, 15.8776, 21.2348

Rectangle

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



16.4128, 15.8776, 5.9410



12.0003, 15.8776, 7.3841



13.8425, 15.8776, 37.9431



18.6719, 15.8776, 33.5152

Sweetspot

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



16.4132, 15.8784, 5.9413



38.3973, 39.8778, 33.8821



13.9320, 9.0656, 10.8192



8.6843, 8.9953, 7.3419



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.



16.4132, 15.8784, 5.9413



27.3331, 25.4150, 6.5617



19.4751, 23.6629, 7.2825



5.2621, 5.5071, 5.3380



12.3547, 10.4438, 1.3647



0.0965, 0.0983, 0.0139

Inverse Universe

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



9.9470, 10.0167, 25.8351



14.6546, 13.9524, 45.6637



8.1191, 5.7466, 25.1072



4.9319, 5.2068, 6.3509



5.5398, 4.3499, 22.5933



0.0506, 0.0565, 0.1547

Previews

White Background



This preview shows how the XYZ color 16.4128, 15.8776, 5.9410 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 16.4128, 15.8776, 5.9410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

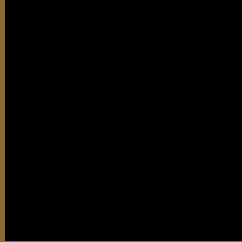
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4128, 15.8776, 5.9410

Background



This preview shows how black text looks on a background with the XYZ color 16.4128, 15.8776, 5.9410.



This preview shows how white text looks on a background with the XYZ color 16.4128, 15.8776,

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

16.4128, 15.8776, 5.9410

Protanopia

14.6165, 15.8853, 6.2988

Deuteranopia

16.1844, 15.9120, 5.9597



Tritanopia

18.4434, 15.8249, 15.9923

Trichromacy



Original Color

16.4128, 15.8776, 5.9410

Protanomaly

15.2604, 15.8998, 6.1356

Deuteranomaly

16.3491, 15.9969, 5.9674

Tritanomaly

17.5705, 15.7627, 11.3490

Monochromacy



Original Color

16.4128, 15.8776, 5.9410

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.0932, 15.5283, 11.8746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4128, 15.8776, 5.9410 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(139, 105, 56)` looks like.

```
.text, #text, p{  
    color:rgb(139, 105, 56)  
}
```

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(139, 105, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 105, 56) }
```

Border

The CSS property to change the border of an element to XYZ 16.4128, 15.8776, 5.9410 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(139, 105, 56) }
```


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

```
.border{ border-color:rgb(139, 105, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 105, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 105, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 105, 56);  
box-shadow:4px 4px 4px 4px rgb(139, 105,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4128, 15.8776, 5.9410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 105, 56) }
```

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

```
.background{ background-color: rgb(139,  
105, 56) }
```

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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