

Converting Colors

XYZ(15.9356, 15.4410, 3.3689)

Have a look what the booklet for
XYZ(15.9356, 15.4410, 3.3689)
contains.

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Color

**XYZ(15.8998, 15.3697,
3.3569)**

Conversions

Conversions Part 1

Format	Color
Hex	8C671E
RGB	140, 103, 30
RGB Percent	55%, 40%, 12%
CMY	0.4510, 0.5961, 0.8823
CMYK	0.00, 0.26, 0.79, 0.45
HSL	40°, 65%, 33%
HSV	40°, 79%, 55%
XYZ	15.8998, 15.3697, 3.3569
YIQ	105.7410, 45.4850, -14.8590

Conversions

Conversions Part 2

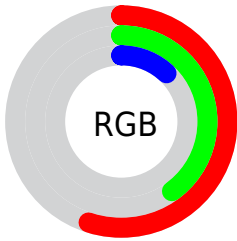
Format	Color
RYB	86, 140, 30
Decimal	9201438
CIELab	46.14, 7.67, 44.42
CIELCh	46, 45.076, 80.203
Yxy	15.3697, 0.4592, 0.4439
Android (android.graphics.Color)	4287391518 (0xFF8C671E)
YUV	105.7410, -37.3403, 30.0451
Hunter-Lab	39.2042, 3.7857, 22.3662

Details

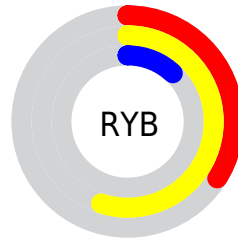
The XYZ color **15.8998, 15.3697, 3.3569** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.2761, 6.1835, 25.6208**, and the grayscale version is **13.7193, 14.4337, 15.7183**.

A 20% lighter version of the original color is **36.0295, 35.5607, 12.5544**, and **5.2519, 4.8068, 0.6510** is the 20% darker color. If you saturate the color by 10%, you get **15.3041, 14.4036, 2.4639**, and if you desaturate by 10%, it is **16.6021, 16.4219, 4.6778**.

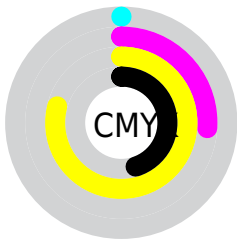
Distribution



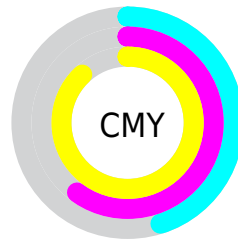
- Red (55%)
- Green (40%)
- Blue (12%)



- Red (34%)
- Yellow (55%)
- Blue (12%)



- Cyan (0%)
- Magenta (26%)
- Yellow (79%)
- Black (45%)



- Cyan (45%)
- Magenta (60%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8998, 15.3697, 3.3569 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 15.8998, 15.3697, 3.3569 by changing the saturation by 10% instead.

■ 15.8998, 15.3697,
3.3569

■ 15.8998, 15.3697,
3.3569

222.0318,
225.5931, 140.7840

■ 9.5437, 9.0793,
1.2796

■ 35.9830, 35.5004,
12.4971

■ 5.1574, 4.7929,
0.0450

■ 50.4408, 50.1095,
20.3971

■ 2.3756, 2.1263,
0.0000

■ 68.3299, 68.2603,
31.0751

■ 0.8329, 0.6793,
0.0000

■ 90.0156, 90.3372,
44.9497

■ 0.0000, 0.0000,
0.0000

■ 115.8633,
116.7245, 62.4393

■ 146.2383,

147.8066, 83.9625

181.5060,
183.9681, 109.9379

15.8998, 15.3697,
3.3569

15.8998, 15.3697,
3.3569

15.3041, 14.4036,
2.4639

16.6021, 16.4219,
4.6778

14.7922, 13.5119,
1.8859

17.4197, 17.5624,
6.4750

14.7219, 13.3889,
1.8084

18.3613, 18.7962,
8.7915

19.4346, 20.1267,
11.6650

20.6465, 21.5575,
15.1299

■ 22.0032, 23.0917,
19.2175

■ 23.5106, 24.7322,
23.9573

■ 25.1744, 26.4818,
29.3765

■ 26.9998, 28.3433,
35.5009

Harmonies

Analogous

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



19.8564, 15.3697, 5.1864



15.8998, 15.3697, 3.3569



12.2064, 15.3697, 3.7083

Triad

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



15.8998, 15.3697, 3.3569



8.7221, 15.3697, 25.1415



21.0399, 15.3697, 34.2241

Complementary

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



15.8998, 15.3697, 3.3569



7.2761, 6.1835, 25.6208

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.



17.3066, 15.3697, 45.4178



15.8998, 15.3697, 3.3569



10.3777, 15.3697, 38.7771

Square

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



15.8998, 15.3697, 3.3569



8.4789, 15.3697, 13.3918



13.3890, 15.3697, 47.3746



23.1489, 15.3697, 20.5929

Rectangle

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



15.8998, 15.3697, 3.3569



10.3458, 15.3697, 5.2306



13.3890, 15.3697, 47.3746



19.9055, 15.3697, 38.6089

Sweetspot

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



15.9001, 15.3705, 3.3572



37.3418, 39.0843, 29.4683



12.3382, 6.9275, 6.2362



8.4345, 8.8118, 6.2844



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.



15.9001, 15.3705, 3.3572



26.3114, 24.2217, 3.6010



17.8524, 23.0977, 4.7458



5.2917, 5.5663, 5.3479



13.0998, 11.9340, 1.6130



0.1006, 0.1064, 0.0152

Inverse Universe

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



7.2761, 6.1835, 25.6208



10.5551, 7.5550, 44.6449



6.3473, 3.4146, 25.1353



4.9032, 5.1493, 6.3413



5.1291, 3.5286, 22.4564



0.0466, 0.0484, 0.1533

Previews

White Background



This preview shows how the XYZ color 15.8998, 15.3697, 3.3569 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 15.8998, 15.3697, 3.3569 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 15.8998, 15.3697, 3.3569

Background



This preview shows how black text looks on a background with the XYZ color 15.8998, 15.3697, 3.3569.



This preview shows how white text looks on a background with the XYZ color 15.8998, 15.3697,

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

15.8998, 15.3697, 3.3569

Protanopia

14.0050, 15.4671, 3.6138

Deuteranopia

15.6659, 15.3976, 3.3747



Tritanopia

18.3081, 15.3648, 14.8327

Trichromacy



Original Color

15.8998, 15.3697, 3.3569

Protanomaly

14.5583, 15.2814, 3.4786

Deuteranomaly

15.8321, 15.4833, 3.3824

Tritanomaly

17.0940, 15.2851, 8.8868

Monochromacy



Original Color

15.8998, 15.3697, 3.3569

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.8979, 14.5048, 9.2749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8998, 15.3697, 3.3569 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(140, 103, 30)` looks like.

```
.text, #text, p{  
    color:rgb(140, 103, 30)  
}
```

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(140, 103, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 103, 30) }
```

Border

The CSS property to change the border of an element to XYZ 15.8998, 15.3697, 3.3569 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(140, 103, 30) }
```


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

```
.border{ border-color:rgb(140, 103, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 103, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 103, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 103, 30);  
box-shadow:4px 4px 4px 4px rgb(140, 103,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8998, 15.3697, 3.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 103, 30) }
```

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

```
.background{ background-color: rgb(140,  
103, 30) }
```

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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