

Converting Colors

XYZ(15.7968, 15.9801, 7.8821)

Have a look what the booklet for
XYZ(15.7968, 15.9801, 7.8821)
contains.

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Color

**XYZ(15.7968, 15.9801,
7.8821)**

Conversions

Conversions Part 1

Format	Color
Hex	836C45
RGB	131, 108, 69
RGB Percent	51%, 42%, 27%
CMY	0.4863, 0.5765, 0.7294
CMYK	0.00, 0.18, 0.47, 0.49
HSL	38°, 31%, 39%
HSV	38°, 47%, 51%
XYZ	15.7968, 15.9801, 7.8821
YIQ	110.4310, 26.2270, -7.2530

Conversions

Conversions Part 2

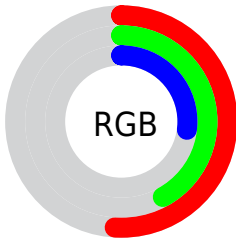
Format	Color
RYB	106, 131, 69
Decimal	8612933
CIELab	46.95, 3.57, 25.18
CIElCh	47, 25.431, 81.920
Yxy	15.9801, 0.3983, 0.4029
Android (android.graphics.Color)	4286803013 (0xFF836C45)
YUV	110.4310, -20.4255, 18.0390
Hunter-Lab	39.9751, 0.5806, 16.2921

Details

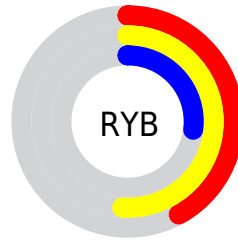
The XYZ color **15.7968, 15.9801, 7.8821** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.3779, 10.5577, 22.9635**, and the grayscale version is **14.9970, 15.7780, 17.1822**.

A 20% lighter version of the original color is **35.6757, 36.4186, 22.2887**, and **5.1419, 5.1089, 1.5793** is the 20% darker color. If you saturate the color by 10%, you get **14.9361, 14.8391, 5.8057**, and if you desaturate by 10%, it is **16.7767, 17.2156, 10.4416**.

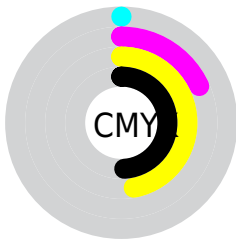
Distribution



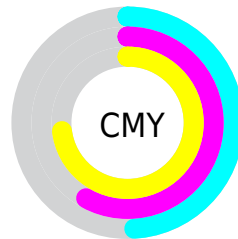
- Red (51%)
- Green (42%)
- Blue (27%)



- Red (42%)
- Yellow (51%)
- Blue (27%)



- Cyan (0%)
- Magenta (18%)
- Yellow (47%)
- Black (49%)



- Cyan (49%)
- Magenta (58%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7968, 15.9801, 7.8821 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 15.7968, 15.9801, 7.8821 by changing the saturation by 10% instead.

■ 15.7968, 15.9801,
7.8821

■ 15.7968, 15.9801,
7.8821

221.4337,
229.2243, 184.7043

■ 9.4704, 9.5101,
3.9329

■ 35.8054, 36.5637,
22.2693

■ 5.1088, 5.0754,
1.5886

■ 50.2183, 51.4460,
33.5444

■ 2.3467, 2.2915,
0.2827

■ 68.0574, 69.9012,
48.0986

■ 0.8184, 0.7692,
0.0000

■ 89.6881, 92.3137,
66.3504

■ 0.0000, 0.0000,
0.0000

■ 115.4757,
119.0678, 88.7183

145.7856,

150.5480, 115.6209

180.9832,
187.1387, 147.4767

■ 15.7968, 15.9801,
7.8821

■ 15.7968, 15.9801,
7.8821

■ 14.9361, 14.8391,
5.8057

■ 16.7767, 17.2156,
10.4416

■ 14.1869, 13.7872,
4.1799

■ 17.8804, 18.5465,
13.5119

■ 13.5425, 12.8213,
2.9694

■ 19.1139, 19.9765,
17.1199

■ 12.9946, 11.9376,
2.1334

■ 20.4821, 21.5081,
21.2903

■ 12.5270, 11.1285,
1.5883

■ 21.9899, 23.1441,
26.0462

■ 12.4084, 10.9219,
1.4542

■ 23.6418, 24.8869,
31.4093

■ 25.4421, 26.7388,
37.4003

■ 27.3949, 28.7022,
44.0389

■ 29.5042, 30.7792,
51.3440

Harmonies

Analogous

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



17.9778, 15.9801, 9.4385



15.7968, 15.9801, 7.8821



13.6494, 15.9801, 8.3407

Triad

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



15.7968, 15.9801, 7.8821



11.5612, 15.9801, 22.3767



18.8044, 15.9801, 26.0858

Complementary

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



15.7968, 15.9801, 7.8821



10.3779, 10.5577, 22.9635

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.



16.8394, 15.9801, 31.3915



15.7968, 15.9801, 7.8821



12.7039, 15.9801, 28.9122

Square

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



15.7968, 15.9801, 7.8821



11.3405, 15.9801, 15.7365



14.5962, 15.9801, 32.5357



19.8214, 15.9801, 19.1759

Rectangle

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



15.7968, 15.9801, 7.8821



12.5103, 15.9801, 9.7933



14.5962, 15.9801, 32.5357



18.2242, 15.9801, 28.1793

Sweetspot

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



15.7972, 15.9809, 7.8824



34.9395, 36.5785, 32.7942



13.4537, 9.8679, 11.4976



8.0307, 8.3988, 7.3221



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.7972, 15.9809, 7.8824



26.6062, 26.3807, 10.0742



17.4690, 20.9299, 8.7496



4.8984, 5.1403, 4.9634



12.2168, 10.7562, 1.4323



0.0493, 0.0513, 0.0073

Inverse Universe

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



10.3779, 10.5577, 22.9635



15.6509, 15.4321, 40.6070



9.2241, 7.4412, 22.4228



4.5655, 4.8066, 5.8879



5.0993, 3.7464, 21.5911



0.0242, 0.0261, 0.0770

Previews

White Background



This preview shows how the XYZ color 15.7968, 15.9801, 7.8821 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 15.7968, 15.9801, 7.8821 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 15.7968, 15.9801, 7.8821

Background



This preview shows how black text looks on a background with the XYZ color 15.7968, 15.9801, 7.8821.



This preview shows how white text looks on a background with the XYZ color 15.7968, 15.9801,

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

15.7968, 15.9801, 7.8821

Protanopia

14.6751, 15.8760, 8.0853

Deuteranopia

16.2199, 15.8886, 7.8422



Tritanopia

17.7112, 15.9991, 17.1936

Trichromacy



Original Color

15.7968, 15.9801, 7.8821

Protanomaly

15.1389, 15.9540, 8.0759

Deuteranomaly

16.1634, 16.0134, 7.8692

Tritanomaly

16.9944, 16.0160, 13.2620

Monochromacy



Original Color

15.7968, 15.9801, 7.8821

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.0054, 15.6151, 13.0496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7968, 15.9801, 7.8821 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(131, 108, 69)` looks like.

```
.text, #text, p{  
    color:rgb(131, 108, 69)  
}
```

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(131, 108, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 108, 69) }
```

Border

The CSS property to change the border of an element to XYZ 15.7968, 15.9801, 7.8821 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(131, 108, 69) }
```


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

```
.border{ border-color:rgb(131, 108, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 108, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 108, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 108, 69);  
box-shadow:4px 4px 4px 4px rgb(131, 108,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7968, 15.9801, 7.8821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 108, 69) }
```

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

```
.background{ background-color: rgb(131,  
108, 69) }
```

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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