

Converting Colors

XYZ(10.2291, 9.7432, 6.8978)

Have a look what the booklet for
XYZ(10.2291, 9.7432, 6.8978)
contains.

XYZ(10.2308, 9.7420, 6.9714)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.2308, 9.7420,
6.9714)**

Conversions

Conversions Part 1

Format	Color
Hex	6B5345
RGB	107, 83, 69
RGB Percent	42%, 33%, 27%
CMY	0.5804, 0.6745, 0.7294
CMYK	0.00, 0.22, 0.36, 0.58
HSL	22°, 22%, 35%
HSV	22°, 36%, 42%
XYZ	10.2308, 9.7420, 6.9714
YIQ	88.5800, 18.7980, 0.7340

Conversions

Conversions Part 2

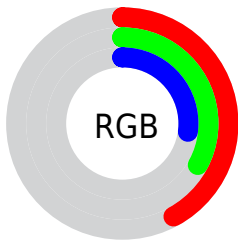
Format	Color
RYB	107, 91, 69
Decimal	7033669
CIELab	37.38, 7.78, 12.02
CIELCh	37, 14.314, 57.081
Yxy	9.7420, 0.3797, 0.3616
Android (android.graphics.Color)	4285223749 (0xFF6B5345)
YUV	88.5800, -9.6529, 16.1543
Hunter-Lab	31.2122, 3.8878, 8.6058

Details

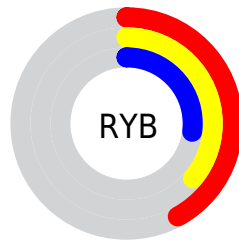
The XYZ color **10.2308, 9.7420, 6.9714** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.0222, 10.1550, 15.3944**, and the grayscale version is **9.4207, 9.9114, 10.7935**.

A 20% lighter version of the original color is **25.7602, 25.1578, 20.3279**, and **2.6245, 2.3603, 1.2945** is the 20% darker color. If you saturate the color by 10%, you get **9.4362, 8.6372, 5.2130**, and if you desaturate by 10%, it is **11.1363, 10.9725, 9.0625**.

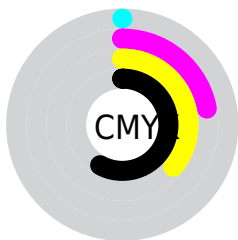
Distribution



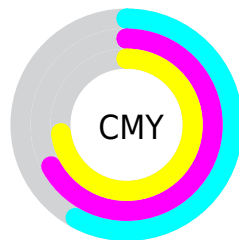
- Red (42%)
- Green (33%)
- Blue (27%)



- Red (42%)
- Yellow (36%)
- Blue (27%)



- Cyan (0%)
- Magenta (22%)
- Yellow (36%)
- Black (58%)



- Cyan (58%)
- Magenta (67%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2308, 9.7420, 6.9714 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 10.2308, 9.7420, 6.9714 by changing the saturation by 10% instead.

10.2308, 9.7420,
6.9714

10.2308, 9.7420,
6.9714

186.3309,
188.8206, 177.0478

5.6157, 5.2282,
3.3660

25.8745, 25.3091,
20.4275

2.6513, 2.3818,
1.2844

37.6337, 37.1312,
31.1154

0.9721, 0.8165,
0.0490

52.5051, 52.1582,
45.0012

0.0000, 0.0000,
0.0000

70.8539, 70.7745,
62.5034

93.0456, 93.3645,
84.0407

119.4454,

120.3126, 110.0314

150.4187,
152.0032, 140.8943

■ 10.2308, 9.7420,
6.9714

■ 10.2308, 9.7420,
6.9714

■ 9.4362, 8.6372,
5.2130

■ 11.1363, 10.9725,
9.0625

■ 8.7470, 7.6526,
3.7694

■ 12.1561, 12.3313,
11.5020

■ 8.1584, 6.7841,
2.6216

■ 13.2948, 13.8225,
14.3051

■ 7.6650, 6.0272,
1.7485

■ 14.5562, 15.4498,
17.4860

■ 7.2606, 5.3766,
1.1260

■ 15.9440, 17.2167,
21.0582

■ 6.9341, 4.8251,
0.7037

■ 17.4617, 19.1264,
25.0344

■ 6.8030, 4.6051,
0.5303

■ 19.1127, 21.1822,
29.4269

■ 20.9004, 23.3872,
34.2473

■ 22.8278, 25.7444,
39.5068

Harmonies

Analogous

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



10.8850, 9.7420, 8.5099



10.2308, 9.7420, 6.9714



9.3478, 9.7420, 6.3924

Triad

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



10.2308, 9.7420, 6.9714



7.6385, 9.7420, 10.3573



10.0688, 9.7420, 15.6527

Complementary

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



10.2308, 9.7420, 6.9714



9.0222, 10.1550, 15.3944

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.



9.1718, 9.7420, 16.3581



10.2308, 9.7420, 6.9714



7.8044, 9.7420, 13.0240

Square

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



10.2308, 9.7420, 6.9714



7.8832, 9.7420, 8.1385



8.3517, 9.7420, 15.3283



10.7873, 9.7420, 13.5310

Rectangle

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



10.2308, 9.7420, 6.9714



8.7611, 9.7420, 6.5447



8.3517, 9.7420, 15.3283



9.7764, 9.7420, 16.0769

Sweetspot

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



10.2311, 9.7425, 6.9716



22.5980, 23.1739, 22.6246



10.1703, 8.1736, 11.4130



5.4221, 5.5466, 5.3592



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.2311, 9.7425, 6.9716



17.0709, 15.7109, 9.7110



11.8823, 13.0450, 7.5220



3.1826, 3.2825, 3.2833



8.2486, 5.5469, 0.6359



41.2602, 26.7240, 2.9836

Inverse Universe

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



9.0222, 10.1550, 15.3944



14.5371, 16.5670, 27.3393



7.5614, 7.2333, 14.9074



3.0927, 3.3136, 3.9115



5.6824, 6.1990, 17.8193



28.1044, 29.8874, 90.5138

Previews

White Background



This preview shows how the XYZ color 10.2308, 9.7420, 6.9714 looks on a white background.

Color Contrast Check

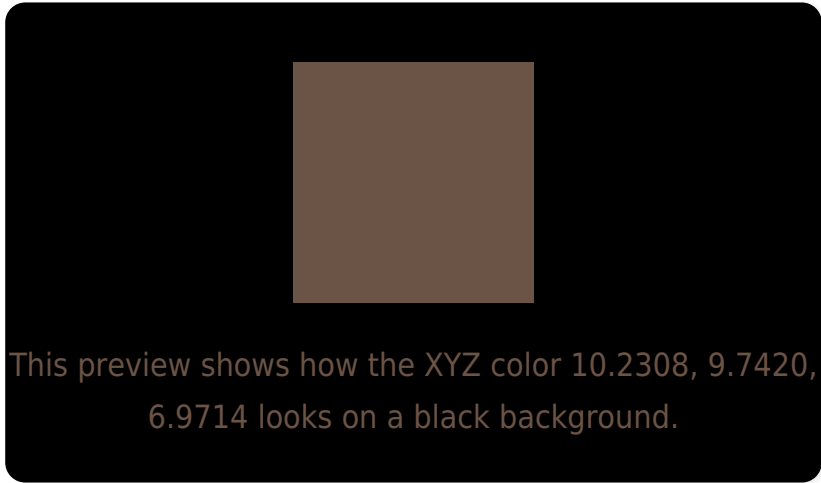
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 10.2308, 9.7420, 6.9714

Background



This preview shows how black text looks on a background with the XYZ color 10.2308, 9.7420, 6.9714.



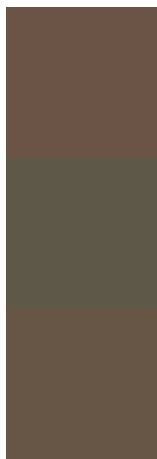
This preview shows how white text looks on a background with the XYZ color 10.2308, 9.7420,

6.9714.

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

10.2308, 9.7420, 6.9714

Protanopia

9.1413, 9.7615, 7.3636

Deuteranopia

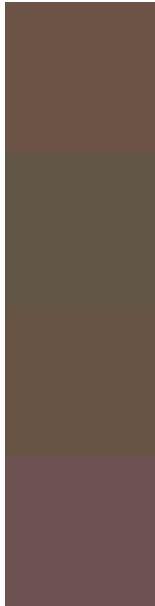
9.9162, 9.8102, 7.0011



Tritanopia

10.9694, 9.8242, 10.3349

Trichromacy



Original Color

10.2308, 9.7420, 6.9714

Protanomaly

9.4703, 9.6944, 7.1664

Deuteranomaly

9.9534, 9.7134, 6.9805

Tritanomaly

10.6496, 9.8019, 8.9201

Monochromacy



Original Color

10.2308, 9.7420, 6.9714

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.7551, 9.9124, 9.3818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2308, 9.7420, 6.9714 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(107, 83, 69)` looks like.

```
.text, #text, p{  
    color:rgb(107, 83, 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(107, 83, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 83, 69) }
```

Border

The CSS property to change the border of an element to XYZ 10.2308, 9.7420, 6.9714 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(107, 83, 69) }
```


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

```
.border{ border-color:rgb(107, 83, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 83, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 83, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 83, 69);  
box-shadow:4px 4px 4px 4px rgb(107, 83,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2308, 9.7420, 6.9714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 83, 69) }
```

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

```
.background{ background-color: rgb(107, 83,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor