

Converting Colors

XYZ(13.3190, 13.0211, 10.8697)

Have a look what the booklet for
XYZ(13.3190, 13.0211, 10.8697)
contains.

XYZ(13.3311, 13.0194, 10.8272)	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(13.3311, 13.0194,
10.8272)**

Conversions

Conversions Part 1

Format	Color
Hex	756157
RGB	117, 97, 87
RGB Percent	46%, 38%, 34%
CMY	0.5412, 0.6196, 0.6588
CMYK	0.00, 0.17, 0.26, 0.54
HSL	20°, 15%, 40%
HSV	20°, 26%, 46%
XYZ	13.3311, 13.0194, 10.8272
YIQ	101.8400, 15.1300, 1.1300

Conversions

Conversions Part 2

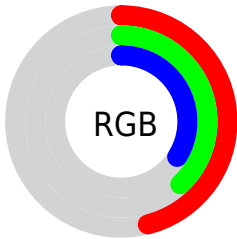
Format	Color
R_{YB}	117, 102, 87
Decimal	7692631
CIE _{Lab}	42.79, 6.37, 8.71
CIE _{LCh}	43, 10.789, 53.823
Yxy	13.0194, 0.3586, 0.3502
Android (android.graphics.Color)	4285882711 (0xFF756157)
YUV	101.8400, -7.3161, 13.2953
Hunter-Lab	36.0824, 2.8049, 7.4666

Details

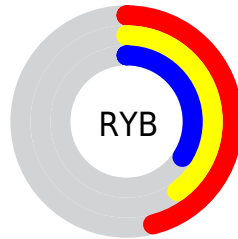
The XYZ color **13.3311, 13.0194, 10.8272** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3989, 13.8256, 18.8448**, and the grayscale version is **12.6035, 13.2599, 14.4400**.

A 20% lighter version of the original color is **31.6828, 31.5320, 28.0833**, and **3.9856, 3.7638, 2.7069** is the 20% darker color. If you saturate the color by 10%, you get **12.2058, 11.4728, 8.2819**, and if you desaturate by 10%, it is **14.6054, 14.7399, 13.8048**.

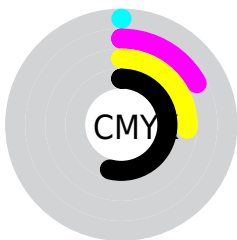
Distribution



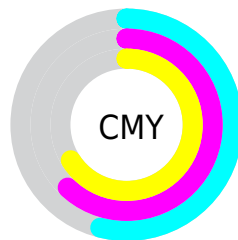
- Red (46%)
- Green (38%)
- Blue (34%)



- Red (46%)
- Yellow (40%)
- Blue (34%)



- Cyan (0%)
- Magenta (17%)
- Yellow (26%)
- Black (54%)



- Cyan (54%)
- Magenta (62%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3311, 13.0194, 10.8272 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 13.3311, 13.0194, 10.8272 by changing the saturation by 10% instead.

■ 13.3311, 13.0194,
10.8272

■ 13.3311, 13.0194,
10.8272

206.6239,
211.0420, 207.1729

■ 7.7355, 7.4419,
5.8381

■ 31.4936, 31.3386,
27.9719

■ 3.9765, 3.7400,
2.6797

■ 44.7913, 44.8492,
40.9646

■ 1.6889, 1.5292,
0.9332

■ 61.3870, 61.7728,
57.4622

■ 0.4493, 0.3091,
0.0000

■ 81.6461, 82.4940,
77.8832

■ 0.0000, 0.0000,
0.0000

■ 105.9340,
107.3971, 102.6463

134.6160,

136.8666, 132.1699

168.0575,
171.2867, 166.8726

■ 13.3311, 13.0194,
10.8272

■ 13.3311, 13.0194,
10.8272

■ 12.2058, 11.4728,
8.2819

■ 14.6054, 14.7399,
13.8048

■ 11.2228, 10.0928,
6.1477

■ 16.0332, 16.6379,
17.2329

■ 10.3763, 8.8740,
4.4031

■ 17.6200, 18.7190,
21.1296

■ 9.6595, 7.8104,
3.0239

■ 19.3705, 20.9880,
25.5117

■ 9.0652, 6.8951,
1.9834

■ 21.2896, 23.4496,
30.3952

■ 8.5853, 6.1208,
1.2511

■ 23.3817, 26.1083,
35.7954

■ 8.2066, 5.4782,
0.7713

■ 25.6511, 28.9685,
41.7269

■ 8.0620, 5.2336,
0.5853

■ 28.1020, 32.0343,
48.2038

■ 30.7384, 35.3099,
55.2396

Harmonies

Analogous

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



13.8774, 13.0194, 12.4252



13.3311, 13.0194, 10.8272



12.5454, 13.0194, 10.1353

Triad

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



13.3311, 13.0194, 10.8272



10.8688, 13.0194, 13.6944



13.0240, 13.0194, 18.7328

Complementary

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



13.3311, 13.0194, 10.8272



12.3989, 13.8256, 18.8448

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.



12.2053, 13.0194, 19.1689



13.3311, 13.0194, 10.8272



10.9843, 13.0194, 16.0839

Square

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



13.3311, 13.0194, 10.8272



11.1422, 13.0194, 11.6685



11.4649, 13.0194, 18.1524



13.6946, 13.0194, 17.0191

Rectangle

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



13.3311, 13.0194, 10.8272



12.0008, 13.0194, 10.2193



11.4649, 13.0194, 18.1524



12.7560, 13.0194, 19.0410

Sweetspot

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



13.3314, 13.0200, 10.8275



28.0279, 28.8905, 29.2050



13.3983, 11.6600, 15.4545



6.3687, 6.5425, 6.5330



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.3314, 13.0200, 10.8275



22.6002, 21.5722, 16.4914



14.8507, 16.0585, 11.3339



3.7745, 3.8820, 3.8927



8.8692, 5.7396, 0.6404



42.5063, 26.5411, 2.8826

Inverse Universe

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



12.3989, 13.8256, 18.8448



20.6148, 23.2821, 33.5444



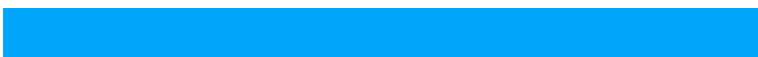
10.9687, 10.9651, 18.3680



3.6854, 3.9594, 4.6602



6.5242, 7.3881, 19.6247



30.9816, 34.3797, 95.3633

Previews

White Background



This preview shows how the XYZ color 13.3311, 13.0194, 10.8272 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 13.3311, 13.0194, 10.8272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

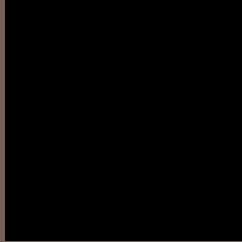
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3311, 13.0194, 10.8272

Background



This preview shows how black text looks on a background with the XYZ color 13.3311, 13.0194, 10.8272.



This preview shows how white text looks on a background with the XYZ color 13.3311, 13.0194,

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

13.3311, 13.0194, 10.8272

Protanopia

12.4007, 13.0928, 11.3248

Deuteranopia

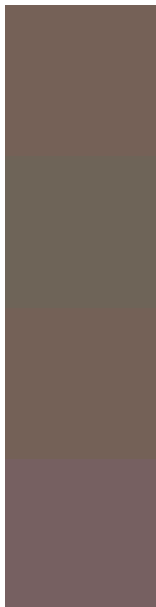
13.1975, 12.9505, 10.8209



Tritanopia

14.0982, 13.0657, 14.3492

Trichromacy



Original Color

13.3311, 13.0194, 10.8272

Protanomaly

12.7490, 13.1339, 11.0957

Deuteranomaly

13.1975, 12.9505, 10.8209

Tritanomaly

13.8118, 13.0804, 13.1061

Monochromacy



Original Color

13.3311, 13.0194, 10.8272

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7782, 13.1032, 13.1649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3311, 13.0194, 10.8272 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(117, 97, 87)` looks like.

```
.text, #text, p{  
    color:rgb(117, 97, 87)  
}
```

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(117, 97, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 97, 87) }
```

Border

The CSS property to change the border of an element to XYZ 13.3311, 13.0194, 10.8272 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(117, 97, 87) }
```


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

```
.border{ border-color:rgb(117, 97, 87) }
```

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

Here you see how a box with a 4 pixel rgb(117, 97, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 97, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 97, 87);  
box-shadow:4px 4px 4px 4px rgb(117, 97,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3311, 13.0194, 10.8272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 97, 87) }
```

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

```
.background{ background-color: rgb(117, 97,  
87) }
```

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