

Converting Colors

XYZ(15.7195, 15.0776, 12.7541)

Have a look what the booklet for
XYZ(15.7195, 15.0776, 12.7541)
contains.

XYZ(15.7727, 15.0978, 12.6725)	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(15.7727, 15.0978,
12.6725)**

Conversions

Conversions Part 1

Format	Color
Hex	80675E
RGB	128, 103, 94
RGB Percent	50%, 40%, 37%
CMY	0.4980, 0.5961, 0.6314
CMYK	0.00, 0.20, 0.27, 0.50
HSL	16°, 15%, 44%
HSV	16°, 27%, 50%
XYZ	15.7727, 15.0978, 12.6725
YIQ	109.4490, 17.7890, 2.5010

Conversions

Conversions Part 2

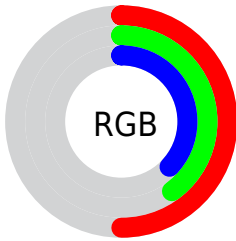
Format	Color
R_{YB}	128, 106, 94
Decimal	8415070
CIE Lab	45.77, 8.52, 8.85
CIE LCh	46, 12.285, 46.073
Yxy	15.0978, 0.3622, 0.3467
Android (android.graphics.Color)	4286605150 (0xFF80675E)
YUV	109.4490, -7.6164, 16.2692
Hunter-Lab	38.8559, 4.4604, 7.8622

Details

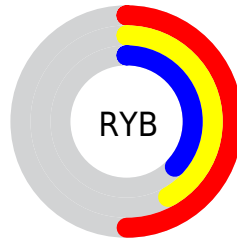
The XYZ color **15.7727, 15.0978, 12.6725** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.1090, 17.1314, 22.9325**, and the grayscale version is **14.6812, 15.4458, 16.8205**.

A 20% lighter version of the original color is **35.6457, 34.9486, 31.2526**, and **5.0896, 4.6614, 3.4278** is the 20% darker color. If you saturate the color by 10%, you get **14.3614, 13.1194, 9.5995**, and if you desaturate by 10%, it is **17.3855, 17.3265, 16.2830**.

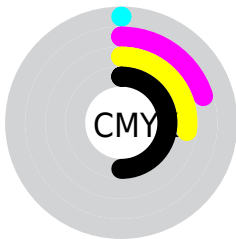
Distribution



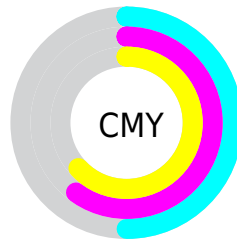
- Red (50%)
- Green (40%)
- Blue (37%)



- Red (50%)
- Yellow (42%)
- Blue (37%)



- Cyan (0%)
- Magenta (20%)
- Yellow (27%)
- Black (50%)



- Cyan (50%)
- Magenta (60%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7727, 15.0978, 12.6725 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 15.7727, 15.0978, 12.6725 by changing the saturation by 10% instead.

■ 15.7727, 15.0978,
12.6725

■ 15.7727, 15.0978,
12.6725

221.2936,
223.9574, 219.9416

■ 9.4533, 8.8881,
7.0754

■ 35.7638, 35.0247,
31.3967

■ 5.0975, 4.6682,
3.4301

■ 50.1662, 49.5106,
45.3608

■ 2.3399, 2.0539,
1.3182

■ 67.9936, 67.5240,
62.9509

■ 0.8150, 0.6385,
0.0767

■ 89.6114, 89.4493,
84.5857

■ 0.0000, 0.0000,
0.0000

115.3849,
115.6709, 110.6836

145.6796,

146.5732, 141.6632

180.8607,
182.5406, 177.9430

■ 15.7727, 15.0978,
12.6725

■ 15.7727, 15.0978,
12.6725

■ 14.3614, 13.1194,
9.5995

■ 17.3855, 17.3265,
16.2830

■ 13.1422, 11.3803,
7.0371

■ 19.2062, 19.8117,
20.4543

■ 12.1068, 9.8719,
4.9577

■ 21.2425, 22.5621,
25.2092

■ 11.2455, 8.5842,
3.3306

■ 23.5013, 25.5854,
30.5692

■ 10.5482, 7.5063,
2.1213

■ 25.9893, 28.8889,
36.5545

■ 10.0030, 6.6266,
1.2904

■ 28.7127, 32.4795,
43.1845

■ 9.5918, 5.9299,
0.7654

■ 31.6776, 36.3642,
50.4778

■ 9.4711, 5.7271,
0.6063

■ 34.8898, 40.5493,
58.4521

■ 38.3550, 45.0414,
67.1245

Harmonies

Analogous

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



16.3447, 15.0978, 14.9136



15.7727, 15.0978, 12.6725



14.8335, 15.0978, 11.5122

Triad

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



15.7727, 15.0978, 12.6725



12.5070, 15.0978, 15.1073



14.9070, 15.0978, 22.5341

Complementary

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



15.7727, 15.0978, 12.6725



15.1090, 17.1314, 22.9325

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.



13.8772, 15.0978, 22.6022



15.7727, 15.0978, 12.6725



12.5246, 15.0978, 18.0649

Square

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



15.7727, 15.0978, 12.6725



12.9663, 15.0978, 12.7996



13.0155, 15.0978, 20.8862



15.8288, 15.0978, 20.7100

Rectangle

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



15.7727, 15.0978, 12.6725



14.1409, 15.0978, 11.4059



13.0155, 15.0978, 20.8862



14.5612, 15.0978, 22.7699

Sweetspot

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



15.7731, 15.0985, 12.6728



33.2699, 34.1403, 34.7528



16.2648, 13.9387, 19.4439



7.6867, 7.8534, 7.9000



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.7731, 15.0985, 12.6728



26.1955, 24.3810, 18.8627



17.5791, 18.7105, 13.2748



4.4132, 4.5152, 4.5590



9.3922, 5.6809, 0.6015



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.1090, 17.1314, 22.9325



24.8134, 28.5967, 40.1682



13.3132, 13.5397, 22.3339



4.3531, 4.7002, 5.4911



7.8431, 9.5047, 21.6712



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.7727, 15.0978, 12.6725 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 15.7727, 15.0978, 12.6725 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 15.7727, 15.0978, 12.6725

Background



This preview shows how black text looks on a background with the XYZ color 15.7727, 15.0978, 12.6725.



This preview shows how white text looks on a background with the XYZ color 15.7727, 15.0978,

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

15.7727, 15.0978, 12.6725

Protanopia

14.3303, 15.0989, 13.4684

Deuteranopia

15.2829, 14.9939, 12.6783



Tritanopia

16.6199, 15.1573, 16.5177

Trichromacy



Original Color

15.7727, 15.0978, 12.6725

Protanomaly

14.7366, 15.0041, 13.1857

Deuteranomaly

15.4281, 15.0688, 12.6851

Tritanomaly

16.3033, 15.1693, 15.1654

Monochromacy



Original Color

15.7727, 15.0978, 12.6725

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.9588, 15.2279, 15.2476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7727, 15.0978, 12.6725 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(128, 103, 94)` looks like.

```
.text, #text, p{  
    color:rgb(128, 103, 94)  
}
```

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(128, 103, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 103, 94) }
```

Border

The CSS property to change the border of an element to XYZ 15.7727, 15.0978, 12.6725 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(128, 103, 94) }
```


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

```
.border{ border-color:rgb(128, 103, 94) }
```

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

Here you see how a box with a 4 pixel rgb(128, 103, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 103, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 103, 94);  
box-shadow:4px 4px 4px 4px rgb(128, 103,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7727, 15.0978, 12.6725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 103, 94) }
```

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

```
.background{ background-color: rgb(128,  
103, 94) }
```

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