

Converting Colors

XYZ(12.8517, 11.7637, 8.0316)

Have a look what the booklet for
XYZ(12.8517, 11.7637, 8.0316)
contains.

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Color

**XYZ(12.8344, 11.7767,
8.0753)**

Conversions

Conversions Part 1

Format	Color
Hex	7A594A
RGB	122, 89, 74
RGB Percent	48%, 35%, 29%
CMY	0.5216, 0.6510, 0.7098
CMYK	0.00, 0.27, 0.39, 0.52
HSL	19°, 24%, 38%
HSV	19°, 39%, 48%
XYZ	12.8344, 11.7767, 8.0753
YIQ	97.1570, 24.4830, 2.3310

Conversions

Conversions Part 2

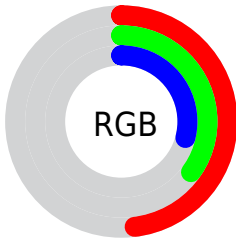
Format	Color
RYB	122, 96, 74
Decimal	8018250
CIELab	40.86, 11.43, 14.00
CIELCh	41, 18.079, 50.766
Yxy	11.7767, 0.3927, 0.3603
Android (android.graphics.Color)	4286208330 (0xFF7A594A)
YUV	97.1570, -11.4164, 21.7873
Hunter-Lab	34.3172, 6.7027, 10.0703

Details

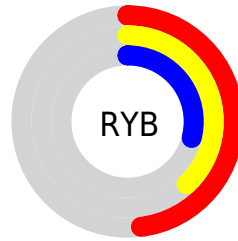
The XYZ color **12.8344, 11.7767, 8.0753** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **11.5944, 13.3759, 20.3830**, and the grayscale version is **11.4241, 12.0190, 13.0887**.

A 20% lighter version of the original color is **30.7123, 29.1254, 22.7419**, and **3.7707, 3.1992, 1.6471** is the 20% darker color. If you saturate the color by 10%, you get **11.8040, 10.3112, 5.8970**, and if you desaturate by 10%, it is **14.0246, 13.4343, 10.7005**.

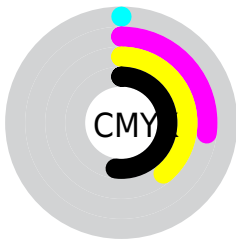
Distribution



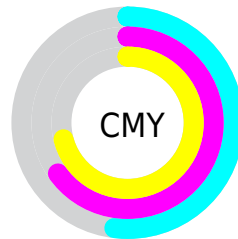
- Red (48%)
- Green (35%)
- Blue (29%)



- Red (48%)
- Yellow (38%)
- Blue (29%)



- Cyan (0%)
- Magenta (27%)
- Yellow (39%)
- Black (52%)



- Cyan (52%)
- Magenta (65%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8344, 11.7767, 8.0753 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 12.8344, 11.7767, 8.0753 by changing the saturation by 10% instead.

■ 12.8344, 11.7767,
8.0753

■ 12.8344, 11.7767,
8.0753

203.5127,
202.9213, 186.2780

■ 7.3908, 6.5918,
4.0547

■ 30.6098, 29.0878,
22.6545

■ 3.7562, 3.2082,
1.6554

■ 43.6723, 41.9827,
34.0503

■ 1.5651, 1.2414,
0.3299

■ 60.0053, 58.2165,
48.7414

■ 0.3695, 0.0951,
0.0000

■ 79.9739, 78.1735,
67.1466

■ 0.0000, 0.0000,
0.0000

■ 103.9436,
102.2380, 89.6843

132.2797,

130.7946, 116.7731

165.3477,
164.2276, 148.8315

■ 12.8344, 11.7767,
8.0753

■ 12.8344, 11.7767,
8.0753

■ 11.8040, 10.3112,
5.8970

■ 14.0246, 13.4343,
10.7005

■ 10.9254, 9.0289,
4.1396

■ 15.3807, 15.2891,
13.7952

■ 10.1908, 7.9227,
2.7756

■ 16.9091, 17.3481,
17.3813

■ 9.5916, 6.9845,
1.7737

■ 18.6160, 19.6173,
21.4790

■ 9.1179, 6.2052,
1.0980

■ 20.5071, 22.1026,
26.1074

■ 8.7455, 5.5696,
0.6371

■ 22.5879, 24.8097,
31.2847

■ 8.7233, 5.5322,
0.6080

■ 24.8635, 27.7440,
37.0282

■ 27.3390, 30.9106,
43.3544

■ 30.0192, 34.3146,
50.2792

Harmonies

Analogous

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



13.6731, 11.7767, 10.4684



12.8344, 11.7767, 8.0753



11.5956, 11.7767, 7.0177

Triad

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



12.8344, 11.7767, 8.0753



8.9221, 11.7767, 11.7178



12.0949, 11.7767, 20.6659

Complementary

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



12.8344, 11.7767, 8.0753



11.5944, 13.3759, 20.3830

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.



10.8006, 11.7767, 21.1773



12.8344, 11.7767, 8.0753



9.0333, 11.7767, 15.5062

Square

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



12.8344, 11.7767, 8.0753



9.3822, 11.7767, 8.8388



9.6986, 11.7767, 19.1403



13.2239, 11.7767, 17.8537

Rectangle

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



12.8344, 11.7767, 8.0753



10.7370, 11.7767, 7.0398



9.6986, 11.7767, 19.1403



11.6625, 11.7767, 21.1313

Sweetspot

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



12.8347, 11.7773, 8.0755



28.9240, 29.4155, 28.6285



13.1604, 10.1095, 15.3337



6.5529, 6.6445, 6.4033



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.8347, 11.7773, 8.0755



20.9719, 18.4352, 10.7981



15.1005, 16.3088, 8.8308



4.0911, 4.2006, 4.2197



9.1774, 5.8108, 0.6379



43.0971, 26.3577, 2.8161

Inverse Universe

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



11.5944, 13.3759, 20.3830



18.4644, 21.6405, 35.5968



9.4764, 9.1399, 19.6770



4.0064, 4.3111, 5.0641



7.0180, 8.1185, 20.5824



32.6906, 37.1539, 97.9182

Previews

White Background



This preview shows how the XYZ color 12.8344, 11.7767, 8.0753 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 12.8344, 11.7767, 8.0753 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 12.8344, 11.7767, 8.0753

Background



This preview shows how black text looks on a background with the XYZ color 12.8344, 11.7767, 8.0753.



This preview shows how white text looks on a background with the XYZ color 12.8344, 11.7767,

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

12.8344, 11.7767, 8.0753

Protanopia

11.1159, 11.7851, 8.7101

Deuteranopia

12.0564, 11.8871, 7.9623



Tritanopia

13.6158, 11.7310, 11.9026

Trichromacy



Original Color

12.8344, 11.7767, 8.0753

Protanomaly

11.6493, 11.6655, 8.4752

Deuteranomaly

12.3659, 11.9172, 7.9518

Tritanomaly

13.2563, 11.6992, 10.3636

Monochromacy



Original Color

12.8344, 11.7767, 8.0753

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.7497, 11.7908, 11.1078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8344, 11.7767, 8.0753 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(122, 89, 74)` looks like.

```
.text, #text, p{  
    color:rgb(122, 89, 74)  
}
```

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(122, 89, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 89, 74) }
```

Border

The CSS property to change the border of an element to XYZ 12.8344, 11.7767, 8.0753 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(122, 89, 74) }
```


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

```
.border{ border-color:rgb(122, 89, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 89, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 89, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 89, 74);  
box-shadow:4px 4px 4px 4px rgb(122, 89,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8344, 11.7767, 8.0753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 89, 74) }
```

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

```
.background{ background-color: rgb(122, 89,  
74) }
```

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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