

Converting Colors

XYZ(12.7483, 12.3007, 11.4803)

Have a look what the booklet for
XYZ(12.7483, 12.3007, 11.4803)
contains.

XYZ(12.7876, 12.3210, 11.3771)	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(12.7876, 12.3210,
11.3771)**

Conversions

Conversions Part 1

Format	Color
Hex	725E5A
RGB	114, 94, 90
RGB Percent	45%, 37%, 35%
CMY	0.5529, 0.6314, 0.6471
CMYK	0.00, 0.18, 0.21, 0.55
HSL	10°, 12%, 40%
HSV	10°, 21%, 45%
XYZ	12.7876, 12.3210, 11.3771
YIQ	99.5240, 13.2040, 2.9960

Conversions

Conversions Part 2

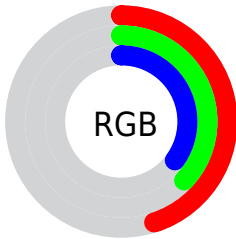
Format	Color
R_{YB}	114, 95, 90
Decimal	7495258
CIE Lab	41.72, 7.40, 5.32
CIE LCh	42, 9.117, 35.698
Yxy	12.3210, 0.3505, 0.3377
Android (android.graphics.Color)	4285685338 (0xFF725E5A)
YUV	99.5240, -4.6953, 12.6955
Hunter-Lab	35.1013, 3.6013, 5.3537

Details

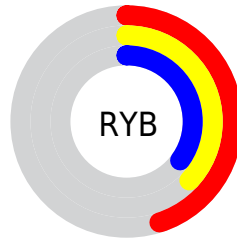
The XYZ color **12.7876, 12.3210, 11.3771** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8296, 14.5401, 18.0500**, and the grayscale version is **12.0016, 12.6266, 13.7503**.

A 20% lighter version of the original color is **30.4328, 29.9470, 28.9873**, and **3.7583, 3.4540, 2.8515** is the 20% darker color. If you saturate the color by 10%, you get **11.5458, 10.5553, 8.7500**, and if you desaturate by 10%, it is **14.2085, 14.3255, 14.4314**.

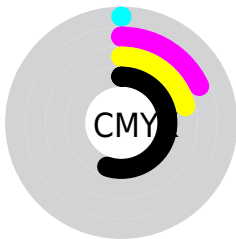
Distribution



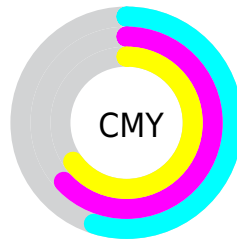
- Red (45%)
- Green (37%)
- Blue (35%)



- Red (45%)
- Yellow (37%)
- Blue (35%)



- Cyan (0%)
- Magenta (18%)
- Yellow (21%)
- Black (55%)



- Cyan (55%)
- Magenta (63%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7876, 12.3210, 11.3771 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 12.7876, 12.3210, 11.3771 by changing the saturation by 10% instead.

■ 12.7876, 12.3210,
11.3771

■ 12.7876, 12.3210,
11.3771

203.2171,
206.5190, 211.0662

■ 7.3584, 6.9627,
6.2037

■ 30.5262, 30.0784,
29.0026

■ 3.7356, 3.4388,
2.8986

■ 43.5664, 43.2463,
42.2919

■ 1.5537, 1.3649,
1.0431

■ 59.8743, 59.7862,
59.1235

■ 0.3619, 0.1906,
0.0000

■ 79.8153, 80.0824,
79.9161

■ 0.0000, 0.0000,
0.0000

103.7547,
104.5194, 105.0881

132.0579,

133.4816, 135.0580

165.0903,
167.3533, 170.2446

■ 12.7876, 12.3210,
11.3771

■ 12.7876, 12.3210,
11.3771

■ 11.5458, 10.5553,
8.7500

■ 14.2085, 14.3255,
14.4314

■ 10.4750, 9.0179,
6.5304

■ 15.8141, 16.5757,
17.9300

■ 9.5679, 7.7000,
4.6978

■ 17.6114, 19.0799,
21.8901

■ 8.8162, 6.5913,
3.2302

■ 19.6062, 21.8459,
26.3275

■ 8.2109, 5.6811,
2.1027

■ 21.8045, 24.8810,
31.2575

■ 7.7423, 4.9575,
1.2879

■ 24.2117, 28.1921,
36.6946

■ 7.3991, 4.4072,
0.7536

■ 26.8333, 31.7861,
42.6527

■ 7.1725, 4.0435,
0.4024

■ 29.6744, 35.6694,
49.1452

■ 32.7399, 39.8484,
56.1850

Harmonies

Analogous

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



13.0390, 12.3210, 13.0527



12.7876, 12.3210, 11.3771



12.2486, 12.3210, 10.3281

Triad

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



12.7876, 12.3210, 11.3771



10.5762, 12.3210, 11.9547



11.8390, 12.3210, 17.4286

Complementary

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



12.7876, 12.3210, 11.3771



12.8296, 14.5401, 18.0500

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.



11.1889, 12.3210, 17.0639



12.7876, 12.3210, 11.3771



10.4759, 12.3210, 13.7849

Square

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



12.7876, 12.3210, 11.3771



10.9755, 12.3210, 10.6386



10.6961, 12.3210, 15.6838



12.4781, 12.3210, 16.6378

Rectangle

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



12.7876, 12.3210, 11.3771



11.8076, 12.3210, 10.0647



10.6961, 12.3210, 15.6838



11.6144, 12.3210, 17.4380

Sweetspot

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



12.7879, 12.3216, 11.3774



26.3089, 27.0557, 28.2717



13.4102, 12.0157, 16.3644



6.0549, 6.2157, 6.4741



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.7879, 12.3216, 11.3774



21.4317, 20.1764, 17.7821



13.9391, 14.6238, 11.7611



3.4253, 3.4832, 3.5651



7.9748, 4.4822, 0.4448



39.2828, 21.4409, 2.0681

Inverse Universe

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



12.8296, 14.5401, 18.0500



21.5170, 24.7766, 31.6238



11.6216, 12.1241, 17.6473



3.4300, 3.7252, 4.2925



7.9252, 10.4407, 19.3192



38.9386, 50.9291, 96.0571

Previews

White Background



This preview shows how the XYZ color 12.7876, 12.3210, 11.3771 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 12.7876, 12.3210, 11.3771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

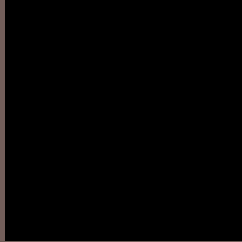
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7876, 12.3210, 11.3771

Background



This preview shows how black text looks on a background with the XYZ color 12.7876, 12.3210, 11.3771.



This preview shows how white text looks on a background with the XYZ color 12.7876, 12.3210,

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

12.7876, 12.3210, 11.3771

Protanopia

11.7789, 12.3329, 11.8849

Deuteranopia

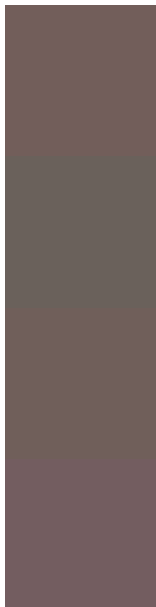
12.4932, 12.3021, 11.3889



Tritanopia

13.2848, 12.3936, 13.7486

Trichromacy



Original Color

12.7876, 12.3210, 11.3771

Protanomaly

12.1069, 12.3689, 11.6469

Deuteranomaly

12.6198, 12.3673, 11.3949

Tritanomaly

13.0959, 12.3181, 12.7537

Monochromacy



Original Color

12.7876, 12.3210, 11.3771

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3047, 12.5832, 12.8466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7876, 12.3210, 11.3771 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(114, 94, 90) looks like.

```
.text, #text, p{  
    color:rgb(114, 94, 90)  
}
```

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(114, 94, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 94, 90) }
```

Border

The CSS property to change the border of an element to XYZ 12.7876, 12.3210, 11.3771 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(114, 94, 90) }
```


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

```
.border{ border-color:rgb(114, 94, 90) }
```

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

Here you see how a box with a 4 pixel rgb(114, 94, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 94, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 94, 90);  
box-shadow:4px 4px 4px 4px rgb(114, 94,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7876, 12.3210, 11.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 94, 90) }
```

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

```
.background{ background-color: rgb(114, 94,  
90) }
```

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